Mr Hoppus's Meaſurer

GREATLY ENLARGED

AND

IMPROVED.

The ATTESTATIONS of ſeveral ingenious Gentlemen (who have appeared in print) in favour of this work.

I. THE content exhibited by the girt is the moſt juſt, giving near a medium in content or quantity between the extremes of meaſuring by the geometrical way, and by the ſquare within (both which ways are in ſome caſes liable to objection) and is certainly the moſt equitable way of meaſuring, between the buyer and ſeller; and therefore tables were, with juſt reaſon, more particularly adapted, and the rules given for that way of menſuration, which hath obtained to be a reaſonable and cuſtomary method.

E. HATTON, Gent.

II. THERE hath been great pains taken by ſeveral authors upon this ſubject, endeavouring to ſet aſide this cuſtomary way of meaſuring: but ſince a cuſtomary price is ſettled accordingly, it is but a vain and fruitleſs attempt; becauſe if the one is altered, the other muſt be altered alſo; which comes to the ſame thing.

EDWARD LAURENCE,
Land Surveyor.

III. TO make a buſtle about an abſolute exactneſs in tables of this kind, is idle, and can argue no great ſagacity: For to pretend to refine upon theſe things which are of a practical nature, to any degree beyond what is ever likely to be admitted into practice, is not only an argument of great vanity, or little judgment, but diſcovers a ſtronger inclination to amuſe mankind, than to do them any real ſervice.

CHARLES LEADBETTER,
Teacher of the Mathematics, London.

I. See his vindication of meaſuring by the girt.
II. See his office and duty of a land ſteward.
III. See his obſervations on J. Worgan's tables.

X

Practical Meaſuring

MADE EASY

To the Meaneſt Capacity

BY

A NEW SET OF TABLES:

Which ſhew at Sight

The Solid or Superficial Content (and
conſequently the Value) of any
Piece or Quantity of ſquared or
round Timber, be it Standing or
Felled, alſo of Stone, Board, Glaſs,
&c. made uſe of in the Erecting or
Repairing of any Building, &c.

Contrived to anſwer all the Occa-
ſions of Gentlemen and Artificers,
far beyond any Thing yet extant:
The Contents being given in Feet,
Inches, and Twelfth Parts of an
Inch.

WITH A PREFACE,

Shewing the Excellence of this New
Method of Meaſuring, and De-
monſtrating, that whoever ven-
tures to rely upon thoſe OBSOLETE
Tables and Directions publiſhed by
ISAAC KEAY, is liable to be de-
ceived (in common Caſes) 10s.
in the Pound.

By E. HOPPUS,

Surveyor to the Corporation of the
LONDON ASSURANCE.

The FIFTEENTH EDITION,

Greatly improved,

By the following ADDITIONS:

I. New Tables ſhewing at SIGHT the VALUE of any Piece or Quantity of Timber, Stone, &c. at ANY PRICE per Foot Cube.

II. Mr HOPPUS's Table of Solid Meaſure, applied to the Freighting of Ships.

III. Some very curious Obſervations concerning the Meaſuring of Timber by SEVERAL DIMENSIONS, communuicated by one of his Majeſty's PURVEYORS.

EDINBURGH:
Printed by and for J. HUNTER,
For T. KEAY, London; BELL & BRADFUTE,
J. DICKSON, and P. HILL, Edinburgh;
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W. COKE, Leith.

1799.

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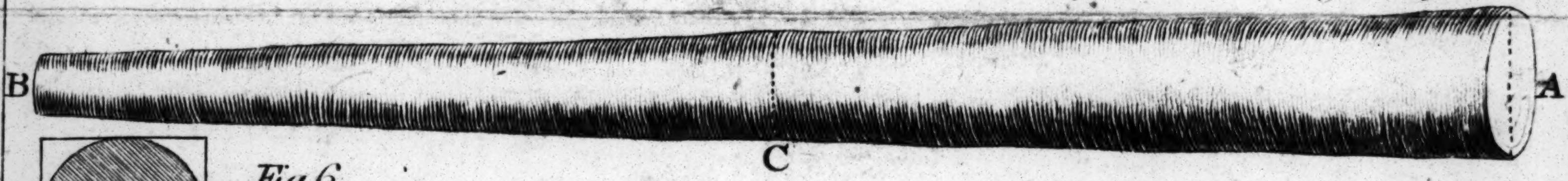

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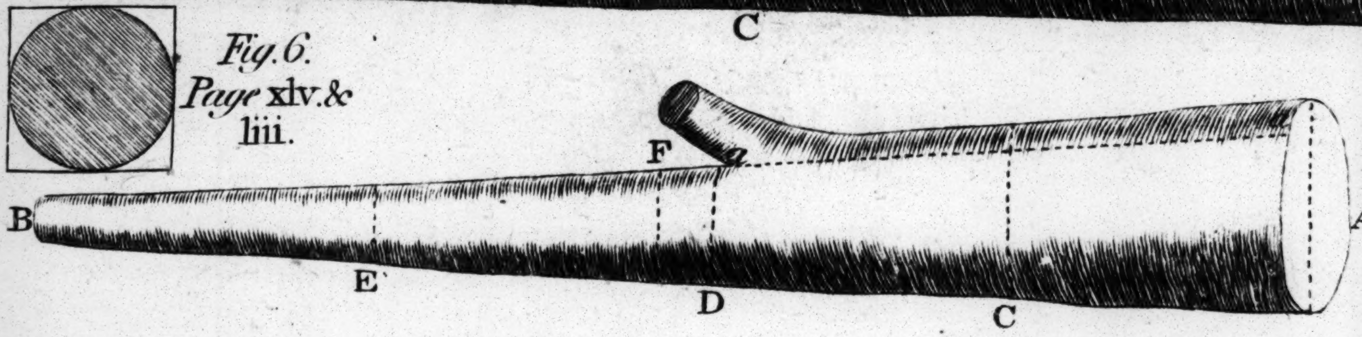

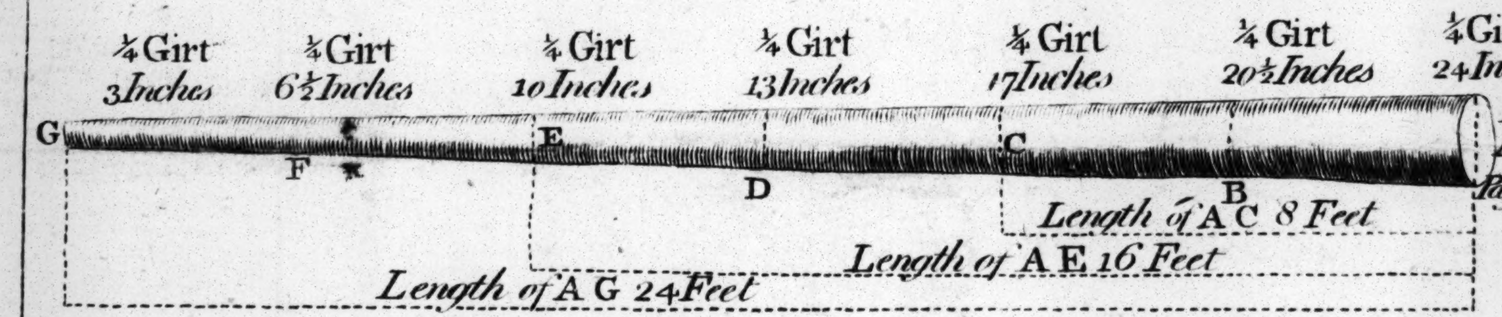

Fig. 5. Page xli

Fig. 5 Meaſured by 3 Dimenſions

		Solid Feet
The Piece	A.C measured Singly makes	23 ¾
	C.E	10 ¼
	E.G	2 ¼
The Total	as 3 Pieces	35 ¾
	as 1 Piece	30 ¼
Gained by 3 Dimenſions		5 ½

The Part C.G. by 2 Dimenſions

		Solid Feet
The Piece	C E measured Singly makes	10 ¼
	E G	2 ¼
The Total	as 2 Pieces	12 ½
	as 1 Piece	11
Gained by 2 Dimenſions		1 ½

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Example I. Page XIII.

Fig. 1.

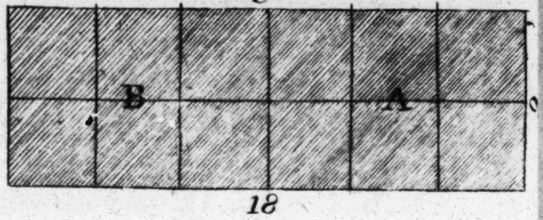

Fig. 2.

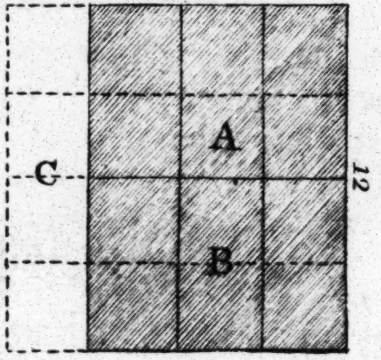

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Fig. 1.

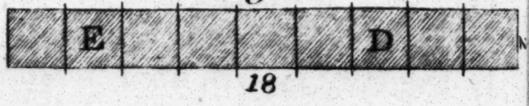

Fig. 2.

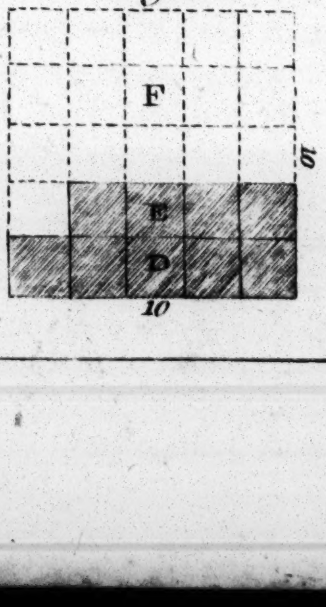

Fig. 3. Page XXXII.

The PREFACE.

TO thoſe who are unacquainted with the intolerable miſtakes and numerous imperfections, with which other tables, already extant, for the meaſuring of timber, ſtone, &c. do abound; to ſuch, I ſay, it may ſeem unneceſſary, at this juncture, to trouble the world with any new calculations upon this ſubject: Yet, upon an impartial examination of what has been publiſhed upon this head, it will appear, that it has hitherto been the fate of thoſe writers either to have been very indolent, or very ignorant, or, what is ſtill worſe, very diſhoneſt.

DARLING's Carpenter's Rule made eaſy, and KEAY's Practical Meaſurer, are the books got into the hands of moſt buyers and ſellers of timber, ſtone. &c. and have been too long already implicitly relied upon; eſpecially the laſt, as will appear from the following obſervations.

I. In Darling, it is true, you have a table for finding the true ſquare of unequal-ſided timber; but then it is ſo far from being generally uſeful, that if you have any occaſion to look for the ſquare of 2 inches by 5 inches, $2\frac{1}{2}$ by $7\frac{1}{2}$, $3\frac{1}{2}$ by $11\frac{1}{2}$, $5\frac{1}{2}$ by $17\frac{1}{2}$, &c. they are no where to be found, notwithſtanding theſe dimenſions are frequently wanted for the meaſuring of joiſts, bond timbers, lintelling, and ſeveral other ſorts of timber, as well as for ſtone, &c. uſed in building. And then Darling having extended his table of the ſquare of unequal-ſided timber no farther than to double the leſſer ſide, and beginning with 2, and ending with 36 inches; this has rendered them very defective, and conſequently of little uſe. Whereas theſe new tables, from 2, as far as 9, run to 18 inches the other ſide, and are extended to 54 inches the largeſt ſide, equal to the extent of the table of ſolid meaſure, to which they relate. And beſides all this, the table he exhibits for the ready finding the contents of equal-ſided timber is ſo very ſhort, that Darling in this reſpect is more defective than even Keay himſelf.

II. In Keay you have no table at all for the meaſuring of unequal-ſided timber, ſtone, &c. but through the ignorance or diſhoneſty of the author *, an erroneous rule is laid down, viz. "Add

---

* If I. K. did really believe that the contents of unequal-ſided timber could be found by his tables, obſerving the RULE he gives in the laſt page of the explanation of his table of ſolid meaſure, it is very plain from the following examples, that he exceeded in ignorance.

And if, on the other hand, it can be ſuppoſed he was aware that his tables and directions would not anſwer their end, it is undeniable, that he has treated the public with great diſingenuity by taking upon himſelf to inſinuate the contrary.

“ Add the two ſides together, and take the half thereof for the true ſquare, or take a fourth of the girt, or four ſides.”

Now this rule, which he lays down for your guide, is ſo far from truth, that a greater fallacy could hardly be aſſerted.

EXAMPLE I.

[See the copper-plate facing page xi.]

Let fig. 1. (marked A B) repreſent the end of a piece of timber or ſtone, ſo unequal-ſided as 18 inches broad, and but 6 inches thick.

Now to find the true ſquare of this piece, Keay directs you to add together the two ſides, *viz.* 18 and 6, which makes 24 inches; and if you take half of that number, *viz.* 12, ſays he, you have the true ſquare: whereas by theſe new tables, and in fact, it is not quite 10 inches $\frac{1}{2}$.

DEMONSTRATION.

Let fig. 2. repreſent a ſquare of 12 inches each ſide, then divide fig. 1. (by the ſtrongeſt dotted line) into two equal parts, and take that part marked B, and place it in fig. 2. then take the other part marked A, and place it in figure 2. likewiſe; and when this is done, there will plainly appear to be wanting all the dotted part C, which is no leſs than one fourth of the whole ſquare; and conſequently the buyer, if he relies upon the advice of the judicious Mr Keay, he certainly pays for one-fourth more timber than in reality he has, or ought to pay for.

But this miſtake of 5s. in the pound, you ſhall ſee, is only one of Mr Keay's peccadilloes.

EXAMPLE II.

[See the copperplate facing page xi.]

Let fig. 1. (marked D E) repreſent the end of a piece of timber ſo unequal-ſided as 18 inches broad, and but 2 inches thick.

Now if you rely upon Keay, and add together the two ſides 18 and 2, it makes 20 inches. Half of which, ſays he, is the true ſide of the ſquare, *viz.* 10 inches; whereas by my tables, and in truth, the true ſide of the ſquare is but 6 inches.

DEMONSTRATION.

Let fig. 2. repreſent a ſquare of 10 inches each ſide, then divide fig. 1. (by the ſtrongeſt dotted line), and take that part marked D, and place it in fig. 2; then take the other part marked E, and place it in fig. 2. likewiſe; and when this is done there will plainly appear to be wanting all the dotted part F, which is near two thirds of the whole ſquare, and conſequently the buyer, when in fact he ought to pay but 7s. 2d. $\frac{3}{8}$, muſt, if he is guided by

Keay, pay 20s. which is 12s. 9d. $\frac{5}{8}$ in every 20s. in his own wrong *†.

From

---

	s.	d.
* Should be paid	7	2$\frac{3}{8}$
K. adviſes you to pay too much	12	9$\frac{5}{8}$
	20	0

† But, perhaps the above manner of demonſtration, which is geometrical, may not appear clear and ſatisfactory to all, and therefore I ſhall demonſtrate the fallacies of Keay's rule arithmetically.

DEMONSTRATION.

Suppoſe you have a piece of timber, each ſide whereof is 12 inches (or a foot ſquare), theſe multiplied into each other (viz. 12 by 12) make 144 (the inches in a ſuperficial foot); but ſhould the ſides vary, or become unequal, ever ſo little from this ſize, there will be a fallacy in the above mentioned rule.

For, was one ſide 13 inches and the other 11, theſe added together, the half will ſtill be 12 for the true ſquare.

But if multiplied together (as they always ought to be, and are in the calculation of theſe new tables); it will be but 143. So that here is one ſuperficial inch too much in every foot of length, be there ever ſo many.

AGAIN,

If one ſide is 16 inches, and the other 8 inches, theſe added together, the half is alſo 12 for the true ſquare; but multiplied, it is only 128; ſo that in this caſe, whoever has any thing to do with Keay's rules and tables will certainly pay for 16 ſuperficial inches too much in each foot in length, be there ever ſo many.

Let us now re-conſider Example I. and II. arithmetically.

In Example I. 18 multiplied by 6 is but 108, and, conſequently, Keay's rule, which makes it 144, is exceeding falſe, that being 36 ſuperficial inches too much in every foot in length, be there ever ſo many; or one fourth, as was before demonſtrated.

From theſe demonſtrations it is plain, that no man ought to aſſume the character of an author, and publicly to take upon himſelf to determine in the buſineſs of MEUM and TUUM, before he is well aſſured of his own abilities for ſuch an undertaking, and is reſolved to make ſome conſcience of what he publiſhes. If a due regard had always been paid to this conſideration, we ſhould never have met with any formal pretender, preſuming to teach others thoſe things, which it is evident he did not underſtand himſelf.

I ſhould ſcorn to make theſe obſervations at all for the ſake of diſparaging the performances of others, or to build myſelf a reputation on their ruin; but I think myſelf obliged to acquaint the public with the plain truth of things, without favour or affection; and I am ſatisfied, if this conduct were oftener practiſed, both the time and expence of gaining uſeful knowledge would be much ſhortened; and whoever endeavours to promote

---

In Example II. where the different ſides are 18 and 2, theſe added make 20, whoſe half is 10, which being multiplied by itſelf (viz 10 by 10) is 100; whereas the ſides multiplied together make but 36, and conſequently, if you have any thing to do with Keay's rule and tables, you certainly pay for 64 ſuperficial inches in every 100 inches, more than you have, which is above 12s. 9d. in every 20s. more than ought to be paid. as was before geometrically demonſtrated.

promote that, let the returns he meets with be what they will, he certainly lays the public under the greateſt obligations.

By this time it is to be preſumed, no man can doubt the public to be in want of a new ſet of tables for meaſuring all ſorts of timber, ſtone, boards, &c. and theſe I here preſent them with, by giving the contents in feet, inches, and 12th parts of an inch, which is the moſt natural method and beſt adapted to ordinary capacities, (for whoſe ſake theſe tables were principally intended,) I ſay, the method of theſe tables (ſince it comes near enough the truth, and can be at ſight conceived) is much preferable to the 10,000 parts of a foot, made uſe of by Darling; or the more unintelligible 432 parts of a quarter of a foot made uſe of by Keay.

The table of ſuperficial or flat meaſure is new, and is extended to 24 inches the breadth (which is double the breadth of Keay's,) and is calculated to the exactneſs of a quarter of an inch; which renders it very uſeful to glaziers and others, who meaſure flat work to the greateſt exactneſs, which Keay's table of flat meaſure does not, by reaſon he has admitted the quarters.

Senſible of the conſequences that miſtakes in printing muſt occaſion in works of this nature, I have been careful in examining each number throughout the book, ſo that I have reaſon to believe they are all exact; and therefore, both the buyer and ſeller may depend upon meeting with mutual juſtice from theſe tables; which, it is plain, from what has been ſaid above, they are not to expect from Keay's, where the preſs-errors are groſs and numerous.

I believe no body can doubt theſe tables being as extenſive as was conſiſtent with my deſign of making them a cheap Pocket-Companion; and if the public reap the advantage from them, which I intend they ſhould, it will be ample ſatisfaction to me, and I think they can have no reaſon to complain *.

E. H.

☞ The new TABLES ſhewing the VALUE of timber, ſtone, &c. (cut to any ſize or ſcantling) per foot cube, added to this FIFTEENTH EDITION, we dare ſay, will be found ſo very uſeful to all who are concerned in building, that we need not think of making any apology for inſerting them.]

* POSTCRIPT.

The liſt of the preſent prices of locks, bolts, hinges, nails, &c. in the APPENDIX, is entirely new, and full of ſuch intelligence, as muſt afford great ſatisfaction to thoſe who deſire to be good huſbands in the affairs of building. And, therefore, I am perſuaded it will be well received by thoſe who conſult it.

The prices I have ſet down are ſuch as they are now ſold at by the wholeſale ſmiths and ironmongers, either to workmen or gentlemen, who take them in ſuch quantities as I have ſet them down, (viz. ſome ſingle, and ſome in dozens, &c.) for thoſe retailers, or ſhop-keepers, who buy of theſe large dealers to ſell again, have them for leſs than I have ſet down, viz. at the retailers price.

I have ſometimes heard inconſiderate people, as well as thoſe whoſe intereſt it is, that the real value of theſe ſorts of goods ſhould remain a ſecret, object againſt the publiſhing any thing of this kind; becauſe every one has not an opportunity of applying always to the wholeſale ironmongers and ſmiths for what they want, but are forced to take what they have occaſion for from the retailer in the country, at his price, and of which, ſay they, you have not taken the leaſt notice. In anſwer to this, let ſuch people take the following conſiderations:

I. That it is impoſſible, in the nature of the thing, there could be any one book of rates for theſe goods which would hold equally in all parts of the kingdom alike.

II. That many of the country retailers are very arbitrary, and will not at all be ſatisfied with a moderate profit, which the wholeſale dealers muſt; for he who is not, can have little or no buſineſs; and though the gentlemen and workmen are not always well acquainted with the value of theſe goods, yet the retailers always are, and knowing the different wholeſale dealers, will always go to one who uſes them beſt.

III. For theſe reaſons (in which I have been confirmed by the advice of ſeveral ſkilful and intelligent workmen,) I have choſen to ſet down thoſe prices only which the wholeſale dealers take of gentlemen and workmen; becauſe from theſe it is eaſier and ſafer, both for the gentlemen and workmen, to draw more advantageous and beneficial concluſions, than from any other prices whatſoever.

THE EXPLANATION AND USE

Of the following

TABLE

OF THE

SQUARE of unequal-ſided TIMBER, STONE, &c.

Beginning page 2. and ending page 22.

BEFORE I proceed to explain, and ſhew the uſe of the table of ſolid meaſure, it is neceſſary that I ſhould explain, and ſhew the uſe of the table of the ſquare of unequal-ſided timber, whereby any piece of timber, ſtone, &c. being broader one way than the other, we may find the ſide of the ſquare equal thereto.

I. At the beginning of this table, betwixt two parallel lines, ſtand two inches ſquare, which two inches is the thickneſs, or leſſer ſide of the end of a piece of timber, that you would find the ſquare of; and under the ſaid parallel lines, are three rows or columns of figures: in that column to the left hand, divided from the other two by a black line, is the breadth or larger ſide of the piece to be meaſured.

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Note, The figures of 2, which, in the ſaid left-hand column, ſtand between 2, 3, 4, 5, &c. ſignify two quarters, or half an inch.

II. The ſecond and third row of figures ſhew the ſquare of the piece in inches and quarters of an inch, anſwering to every inch and half-inch of breadth in the left-hand column.

To find the ſquare of unequal ſided timber.

EXAMPLE I.

Suppoſe you have a piece of timber or ſtone, the end of which is 3 inches thick, and 7 inches broad, and want to know the ſquare ſide of it:

Look in the table for 3 inches, the thickneſs (or leſſer ſide) betwixt the parallel lines, keeping your eye down the left-hand column, till you come to 7, and over againſt that, in the 2d and 3d row, you will find 4 : 2, which ſignifies, 4 inches 2 quarters, or half an inch, and that is the ſquare ſide of a piece of timber or ſtone, equal to 3 inches thick and 7 inches broad.

EXAMPLE II.

If you have a piece of timber or ſtone, the end of which is 4 inches and an half thick, and 11 inches and an half broad, and would know what is the ſquare of it.

Look for 4½ the thickneſs (or leſſer ſide) betwixt the parallel lines, keeping your eye down the left-hand column, and betwixt 11 and 12 is a figure of 2, which ſignifies half an inch, and conſequently ſtands for 11½ (the breadth,) and over againſt that, in the 2d and 3d row, you will find 7 : 1, which is 7 inches and 1 quarter, and that is the ſquare ſide of a piece of timber or ſtone, equal to 4 inches ½ thick, and 11½ broad.

EXAMPLE III.

Let there be a piece of timber, whoſe thickneſs at the end is 29 inches and ½ and the breadth 34 inches, the ſquare ſide of which will be found on the table to be 31 inches and 3 quarters.

☞ If any one ſhould object that the quarters of an inch are not conſidered in this table of unequal-ſided timber; to ſuch it may appear (from an example or two) that to have taken notice of the quarters in the table, would have been unneceſſary; becauſe there is no ſquare ſide to be found nearer than what I have calculated.

EXAMPLE IV.

If you have the end of a piece of timber 5 inches and ¾ thick, and 7 inches and ¼ broad,

In this caſe, take the quarter from the largeſt ſide, and add it to the ſmalleſt ſide, and then it will be 7 inches broad by 6 inches thick.

Then look in the table for 6, betwixt the parallel lines, and over againſt 7, in the left-hand column, you will find 6 : 2, which is 6 inches and an half, the true ſquare.

EXAMPLE V.

If you have the end of a piece of timber 15 inches $\frac{3}{4}$ thick and 19 inches $\frac{1}{4}$ broad,

Call it 16 by 19, whoſe ſquare ſide in the table is 17 : 2, or 17 inches and a half.

N. B. But if a quarter of an inch happens to one ſide only, you may reject it without any material loſs. For the above method will be ſufficiently near in all caſes, provided you remember to take the quarter from the largeſt ſide, and add it to the leſſer ſide. But leſt any one ſhould entertain a prejudice againſt this table, by reaſon the quarters are omitted, let him take the following:

EXAMPLE VI.

Let there be a piece of timber ſo unequal-ſided as 17 inches $\frac{1}{4}$ broad, and but 3 inches $\frac{1}{4}$ thick.

By the above rule call it $3\frac{1}{2}$ by 17, the ſquare ſide of which, by the table, is 7 : 3, or 7 inches $\frac{3}{4}$; take it likewiſe the contrary way, and call it by $17\frac{1}{2}$, and the ſquare ſide, by the table, is 7 : 1, or 7 inches $\frac{1}{4}$; and therefore, in this caſe, the truth will be the mean betwixt 7 : 3, and 7 : 1, which is 7 : 2, and that is the exact ſquare ſide of piece of timber 17 inches $\frac{1}{4}$ by $3\frac{1}{4}$. For where the ſides are ſo very different, one to the other, you ſhould look for it both ways, and take the mean betwixt the extremes.

N. B. Though it is ſeldom, or never, like to happen in practice, yet I will ſuppoſe you have occaſion to find the ſquare ſide of a piece of timber, or ſtone, too large for the extent of this table.

EXAMPLE VII.

You have a piece of timber 60 inches (or 5 feet) thick, and 96 inches (or 8 feet) broad, and want to know the ſquare ſide of it.

Take half the thickneſs (of 60) which is 30, and half the breadth (of 96,) which is 48. Look in the table for 30, betwixt the parallel lines, keeping your eye down the left-hand column, till you come to 48, and over againſt that, in the 2d and 3d row, is 38 : 0, which 38 inches is one half of the ſquare ſide of the piece, and that doubled makes 76 : 0, and is the ſquare ſide of the piece required.

Vide Example VI. in ſolid meaſure, page xxiii.

THE EXPLANATION AND USE

Of the following

TABLE OF Solid Meaſure.

Beginning page 24. and ending page 128.

I. THIS table begins with 2 inches, the ſide of the ſquare, and, by the addition of a quarter of an inch, enlarges itſelf to the extent of 54 inches (or a yard and a half) the ſide of the ſquare.

II. Every page of this table conſiſts of two diſtinct parts, divided from each other by a double line: And at the top of each of the ſaid parts is ſet down the ſide of the ſquare, or one fourth of the girt or circumference, of the piece of timber, ſtone, or other ſolid, intended to be meaſured.

III. The firſt column to the left hand ſhows the ſeveral lengths in feet, from one quarter of a foot, to 45 feet, and of ſuch a piece of timber, whoſe ſide of the ſquare (or $\frac{1}{4}$ of the girt) is ſet down at the top.

IV. The three rows of figures in the ſecond column, marked at the top with *ft. in. pa.* is the ſolid content in feet, inches, and 12th parts of an inch, anſwering to every foot in length, in the left hand column.

To meaſure ſquare *Timber.*

1. With a two-foot, or any other rule, meaſure the length of the piece in feet, and ſet it down in your memorandum-book.

2. Then with your rule, if your timber be equal-ſided, take the ſide of the ſquare in inches, and quarters, if there be any, and ſet that down likewiſe.

But note, That if your timber, or ſtone, be unequal-ſided, i. e. if it be broader one way than the other, in this caſe, you muſt firſt reduce it to a ſquare, by the table of unequal-ſided timber; beginning page 2, and ending page 22.

3. Having ſet down the length in feet, and the ſide of the ſquare in inches and quarters, as above directed, look at the top of the table of ſolid meaſure, for the ſide of the ſquare; and having found that, keep your eye down the left-hand column, till you find the length of your piece in feet; and the three rows of figures, which ſtand over-againſt the length in feet, is the ſolid content in feet, inches, and 12th parts of an inch.

Ex-

EXAMPLE I.

You have a piece of timber 10 feet long, and the ſide of the ſquare is 7 inches. What is the ſolid content of it?

At the top of the table of ſolid meaſure find 7 inches, the ſide of the ſquare, and keep your eye down the left-hand column, till you come to 10 feet, the length of your piece; and right againſt that, ſtands 3 : 4 : 10 (*viz.* 3 feet, 4 inches, and 10 twelfth parts) which is the ſolid content of the piece required.

EXAMPLE II.

The length of a piece of timber is 19 feet, and the ſide of the ſquare 14 inches $\frac{3}{4}$. What is the ſolid content?

Having found 14 $\frac{3}{4}$ the ſide of the ſquare, look for 19 feet, in the left-hand column, and over-againſt it ſtands 28 feet, 8 inches, and 5 parts; and that is the ſolid content of a piece 19 feet long, and 14 inches $\frac{3}{4}$ ſquare.

EXAMPLE III.

The length of a piece of timber is 40 feet, the ſide of it one way is 4 inches, and 16 inches the other way. What is the ſolid content?

Note, Theſe differing ſides muſt be reduced to a ſquare, by the table of unequal-ſided timber, as already taught, which ſquare appears by the ſaid table to be 8 inches.

Having found 8, at the top of the table of ſolid meaſure, look for 40 feet (the length of the piece) in the left-hand column; and right againſt that ſtands 17 feet, 9 inches, and 4 twelfth parts, the ſolid content.

N. B. Keay's rule and tables make the contents to be

F.	Qu.	In.
27	3	48

which is 9 feet ½ too much, or 9s. 6d. in 27s. too much.

Example IV.

There's a piece of timber, 40 feet long, but the ſides unequal; one ſide is 3 inches, and the other ſide 18 inches. What is the ſolid content?

Having reduced the ſides (by the table of unequal-ſided timber) to a ſquare, it appears to be 7 inches, 1 quarter. Then,

At the top of the table of ſolid meaſure find $7\frac{1}{4}$, the ſide of the ſquare, and againſt 40 feet long, in the left-hand column, ſtands the content, *viz.* 14 feet, 7 inches, and 2 twelfth parts.

Note, Had this example been reſolved by Keay's tables, and the RULE he lays down for the meaſuring unequal-ſided timber; the anſwer, inſtead of being 14 feet 7 inches, would have been 30 feet and an half, which is 16 feet too much.

☞ When a piece of timber to be meaſured happens to have any odd parts of a foot in length, as

EXAMPLE V.

Suppoſe a piece of timber to be 48 inches ſquare, and 22 feet ½ long. What is the ſolid content?

Seek in the table of ſolid meaſure, for 48 inches, the ſide of the ſquare, and 22 feet, the length, which ſet down; then find the ½ inch at the bottom of the table, and ſet that down, add theſe together, and you have the contents, viz.

	Ft.	In.	Pa.
22 feet long is —	352	0	0
½ a foot long is —	8	0	0
The content required	360	0	0

N. B. Except the Timber be ſo large as to carry a ſquare of 30 inches, the half foot, or quarters are ſeldom regarded.

Though it is ſeldom (or never) like to happen in practice, yet we will ſuppoſe you have occaſion to meaſure a piece of timber, or ſtone, whoſe ſide of the ſquare is above 54 inches (or a yard and half) which is the largeſt ſquare in this table.

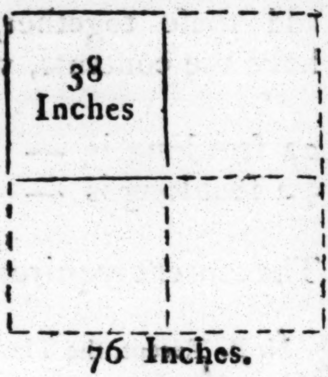
EXAMPLE VI.

You have a piece of timber, whoſe ſide of the ſquare is 76 inches, and the length 37 feet, What is the content?

Since you cannot find 76 inches the ſide of the ſquare in the table, take the HALF of it, which is 38; find 38, the ſide of the ſquare, and over againſt 37 feet the length, is 371:0:4, which ſet down four times *, and added together gives the content of the whole piece (of 76 inches ſquare, and 37 feet long) viz. 1484 feet 1 inch and 4 twelfth parts of an inch.

F.	I.	P.
371	0	4
371	0	4
371	0	4
371	0	4
1484	1	4

* Becauſe that HALF is but one quarter of the end of the piece, thus:



OF HEWN TIMBER.

N. B. It is cuſtomary, when hewn timber is to be meaſured, to make uſe of a large pair of callipers, to meaſure the thickneſs, or diameter, of the piece in the middle, between both ends (where in caſe it were tapering timber, one would girt it) which thickneſs or diameter, is uſually taken for the ſide of the ſquare, the piece will carry throughout: But this method is ſometimes objected to, becauſe, all the cants, or angular parts, that are wanting, to make the piece perfectly ſquare, are meaſured in, and accounted for (though not there) as ſo much real timber: And this objection carries ſtill a greater weight, when only a ſmall ſkirting is hewn off from the four oppoſite ſides, whereby the piece becomes rather octangular, or eight ſided, than ſquare; but to all this it is uſually replied, that before the piece is hewn to a ſquare, there is a waſte in the chips and ſlabs, which are only uſeful for the fire, and that the expence of hewing, &c. is more than the chips, &c. are worth.

To meaſure round *timber that is* NOT *tapering.*

1. WITH a rule meaſure the length of the piece in feet (and quarters of a foot, if neceſſary) and ſet it down in your memorandum-book; then reduce it to ſquare timber, thus:

2. With a chalk-line, or pack-thread, gird the piece in any place; then double the line twice, and you have one fourth of the girt, for the ſide of the ſquare, which you muſt exactly meaſure upon your rule, and ſet down in inches, and quarters of an inch. Having thus reduced the round timber to ſquare timber,

3. Look at the top of the table of ſolid meaſure, for the ſide of the ſquare, equal to $\frac{1}{4}$ of the girt, and keep your eye down the left-hand column, till you find the length of the piece in feet, and over-againſt it ſtands the content of the piece ſought in ſolid feet, inches, and 12th parts of an inch.

EXAMPLE.

Let the length of a piece of round timber be 45 feet, and the girt 44 inches; one fourth of which is 11 inches: I demand how much timber this piece contains?

At the top of the table of ſolid meaſure, find 11 inches, the ſide of the ſquare (which is equal to one fourth of the girt) and in the left hand column, againſt 45 (the length of the piece in feet) ſtands 37 : 9 : 9: that is 37 feet, 9 inches, and 9 twelfth parts (or $\frac{3}{4}$) of an inch; which is the ſolid quantity of timber the tree contains.

To meaſure tapering *timber.*

TAPERING timber is timber that is ſmaller at one end than the other, as fig. 3. and conſequently, it will not carry the ſame ſquare from end to end, throughout the whole piece: when you have found what ſquare the tree will carry throughout, by taking one 4th of the girt (as you were taught on page xxxi) you muſt proceed exactly as in the caſe of round timber already taught.

To find what ſquare a tree will carry throughout; the ſhape or figure of the tree ſhould be very carefully obſerved; and if the ſides of the tree are ſtrait, from end to end, as fig. 3. then it may be girt, and the ſquare taken in the middle, from the butt-end and top, as is the common practice amongſt workmen: or you obſerve this

RULE.

Take one fourth of the girt at each of the ends; add them together, and take half of that ſum, for the ſide of the ſquare, which the tree will carry throughout; as you will find exemplified in *Example* III. *Page* xxvii.

N. B. If the tree does not taper gradually, but is unequally thick, then you may girt it oftener; always remembering to divide the ſum total of the ſeveral fourth parts of the girt, by the number of times the piece was girded, and it gives the ſide of the ſquare the tree will carry throughout.

☞ If you have any odd parts of a foot, in the length of a tree, you are to proceed as directed in the caſe of ſquare timber, having odd parts in the length. See page xxix.

EXAMPLE I.

Let the circumference of a tree, or piece of round timber (found by girding it) be 36 inches, one quarter of which is nine inches, the ſide of the ſquare, and let the length of the piece be 40 feet. What quantity of timber is in this piece?

Find 9 inches, the ſide of the ſquare, and over againſt 40 feet, ſtands 22 feet, 6 inches, which is the quantity of timber contained in a piece that is 40 feet long, and 36 inches round.

EXAMPLE II.

Let the girt of a piece of timber be 75 inches, $\frac{1}{4}$ thereof is $18\frac{3}{4}$, for the ſide of the ſquare, and let the length of the piece be 45 feet: How much ſolid timber does this piece contain?

Find 18 inches $\frac{3}{4}$, the ſide of the ſquare, and over-againſt 45 feet, the length of the piece, ſtands the ſolid content, viz. 109 feet, 10 inches, and 4 twelfth parts, or $\frac{1}{3}$ of an inch.

EXAMPLE III.

Suppoſe that at the largeſt end of a tree, $\frac{1}{4}$ of the girt (or ſide of the ſquare) is 50 inches, and at the ſmaller end but 30 inches, and let the length of the tree be 25 feet: What quantity of ſolid timber does that tree contain?

	Inches.
The ſide of the ſquare, at the larger end is	— 50
The ſide of the ſquare, at the ſmaller end is	— 30
The ſum	—— 80

Half the ſum is 40 inches, and that is the ſide of the ſquare, which the tree will carry throughout. Having thus obtained the ſide of the ſquare, look at the top of the table of ſolid meaſure, for 40 inches, and in the left hand column for 25 feet (the length) and over-againſt it ſtands 277 feet, 9 inches, and 4 twelfth parts (or $\frac{1}{3}$ of an inch) which is the quantity of ſolid timber the tree contains.

☞ If you ſhould ever have occaſion to meaſure a tree whoſe ſide is more than 54 inches, you muſt proceed as directed in the caſe of ſquare timber, when the ſquare is more than 54 inches. See page xxix.

Put

But note, If a tree ſhould be rounding or bulging out (as fig. 4.) ſo that towards the middle, it may be as large, or near it, as at the bottom, then it muſt be meaſured at twice (which workmen call juggling the piece) viz. the length, A D, that continues of one and the ſame bigneſs, or near it, ſingly by itſelf; and ſo alſo muſt the remainder, D B; and their quantities added together, will be the content of the whole tree.

Now had this tree (fig. 4.) been meaſured at once, (or by one dimenſion) as fig. 3. then its girt would have been taken at F, where it is very ſmall, and all the extraordinary thickneſs, a. a. quite round about the ſmall body D B, would have been loſt in the meaſure. And,

For this reaſon, thoſe who are to meaſure timber, ſhould be very cautious how they agree, (before they begin to meaſure,) that let the MIDDLE of pieces of timber fall out how they will, great or ſmall, their girt ſhould be taken THERE. Becauſe, where one tree is largeſt (or its mean thickneſs in the middle) there are nine or ten that are leſs; and when their girts are taken at their middle, from each end (it is plain) they cannot fail of looſing many loads in a large quantity of timber.

N. B. If the tree is crooked, the length is not to be taken on either the concave (or hollow) or convex, (or OUT-arching) ſide.

N. B. It is a cuſtomary allowance to the buyer, to take the GIRT where he pleaſes, between the greater end and the middle of the tree.

N. B. Branches or Boughs meaſuring two feet in compaſs; (or 6 inches for $\frac{1}{4}$ of the girt) are reckoned as timber, and their content is to be found, and added to that of the tree.

Note, So much of the trunk, as meaſures leſs than two feet in compaſs (or 6 inches for $\frac{1}{4}$ of the girt) is not admitted to be timber.

Of making an allowance *for the* BARK.

IN meaſuring trees that have their bark on, for ſale, it is common to make an allowance to the buyer, on account of the bark, thus; in oak $\frac{1}{10}$ or $\frac{1}{12}$ part of the circumference is deducted; but the allowance for the bark of elm, beech, aſh, &c. ſhould be leſs :——Some meaſurers inſiſt on one inch out of one fourth of the whole girt for it, viz. If $\frac{1}{4}$ of the girt is found to be 9 inches, then 1 inch is abated, and $\frac{1}{4}$ of the girt is reckoned at 8 inches only.——Others ſay, That if it is an old thick-barked tree, one inch muſt be abated in a fourth part of the girth for the bark; but in young growing timber, half an inch may be ſufficient, as every practitioner will eaſily judge. This deduction being made, is ſuppoſed to reduce the compaſs to that which the tree will have, when the bark is ſtripped off. Therefore obſerve this

RULE. From the given circumference, ſubtract the allowance for bark ; and with the remaining compaſs, find the ſolid content, as already taught.

Of meaſuring timber that is Standing.

IN meaſuring timber ſtanding, it is ſufficient if you have a very long pole, divided into feet only, (beſide a pocket foot rule, divided into inches) and a ladder to get up with readily, to meaſure the girt of the tree, at the middle height, to which it runs timber; *i. e.* as far as it will carry a ſquare of 6 inches, or will meaſure 24 inches round, and then you proceed to find the contents, as already taught.

I have known a Steward, who, at his firſt entering into buſineſs, was ſo exact as to take an account of every ſingle timber tree, as well as others likely to become timber, in all the woods within his maſter's ſeveral manors: And he effectually did this to the greateſt advantage, by having a book ruled with proper columns, in the following order.

I. To inſert the fourth part of the girt of each tree, in inches.

II. The length of each tree, in feet.

III. The number of ſolid feet in each tree.

IV. The value per foot that each tree is worth, according to its dimenſions and goodneſs.

V. The value of the body of each tree, in proportion to the aforeſaid price.

VI. The value of the HEAD of each tree.

VII. The value of the BARK of each OAK-tree, (which generally holds to be about a 3d part of the value of the BODY and HEAD.) And,

VIII. A column for the value of the BODY, the HEAD, and BARK, added together.

A Book put into this method can never fail of giving great ſatisfaction to a maſter, who has then ſomething to depend upon whenever his neceſſities, or his inclinations may call for a certain ſum of money. However, after a ſale, the book muſt be altered, and ſuch trees ſtruck out of it as are felled.

When an account is taken of the ſeveral timber trees (in the manner I have mentioned) they ſhould be numbered with iron ſtamps, made on purpoſe: Only before the ſtamp is applied, the rough part of the bark ſhould be taken off with a Hatchet, that the impreſſion may be made eaſy and viſible: And, to make it laſting, the ſtamp ſhould not go deeper than the bark; becauſe, in ſuch caſe the number will ſoon grow up; but otherwiſe it may laſt ſeveral years by renewing, which is no undeſirable circumſtance.

THE foregoing examples, with what has already been ſaid, are ſufficient to make the buſineſs of meaſuring, both ſquare and round timber, ſtone, &c. eaſy to common capacities. However (for practice ſake) I ſhall ſuppoſe the learner was to meaſure 10 trees, or pieces of timber.

Let them ſet down their numbers and dimenſions as in the following columns, and then find their contents as already taught, and ſet that down againſt each tree, as under,

No. Trees.	Side ſquare Inches.	Length Feet.	By this New method. Feet	In.	Pa.	By Keay. F.	Qrs.	In.	By Darling. Feet, and 10000 Parts.
1	9	10	5	7	6	5	2	216	5.6250
2	10½	14	10	8	7	10	2	378	10.7187
3	15	11	17	2	3	17	0	324	17.1875
4	20½	16	46	8	4	46	2	336	46.6944
5	16	24	42	8	0	42	2	288	42.6666
6	16	23	40	10	8	40	3	240	40.8888
7	36	18	162	0	0	162	0	000	162.0000
8	26	28	131	5	4	131	1	336	131.4442
9	31	17	113	5	5	113	1	348	113.4513
10	35	30	255	2	6	255	0	360	255.2083
		Total	825	10	7	825	3	234	825.8848

Beſides the contents given by this new method, I have likewiſe ſet down the contents of each tree as given by Keay and

Darling, to ſhew that the method is more intelligible, and better ſuited to common capacities, than either of theirs. Theſe twelfth parts of an inch are eaſily caſt up, and readily underſtood; for here you have nothing more to do than to carry 1 to the inches for every 12 in the parts, and 1 to the feet for every 12 in the inches: Whereas by Keay's method, you muſt carry 1 to the quarters for every 432 in the inches, and 1 to the feet for every 4 in the quarters; and by Darling's method you muſt carry 1 to the feet for every 10000 in the parts. Both which numbers of 432 inches and 10000 parts of a foot are very difficult to conceive, and, conſequently, very troubleſome and perplexing to every man that is not verſed in decimal arithmetic and menſuration.

Of reducing timber to loads.

N. B. Meaſurers and workmen reckon 40 feet of unhewn, or rough timber, and 50 feet of hewn timber, to a load, ſuppoſed to weigh a ton, or 20 hundred weight: For, hewn timber is meaſured by the ſquare, but rough timber by the girt, (or quarter compaſs) therefore, in the buying of timber, it amounts to much the ſame, whether it be meaſured by the girt, or 40 feet ſolid to a load; or meaſured by the ſquare, at 50 feet to a load. Therefore,

When timber is to be reduced to loads, divide the feet in rough, or unhewn timber, by 40, and it gives the loads. Or,

Divide the feet in hewn timber, by 50, and it gives the loads.

Some curious obſervations concerning meaſuring timber, by ſeveral dimenſions.

Communicated by one of his Majeſty's Purveyors.

Of meaſuring fig. 5. (facing page xi.) by one dimenſion, and alſo by three dimenſions, &c.

The whole length A, G, by one dimenſion.

NOW let us well conſider fig. 5, intended to repreſent a piece of timber, that is 24 feet long; and the girt at the butt end A, 8 feet, one fourth of which is 24 inches; and the girt at the top G, 12 inches, one fourth of which is 3 inches; and (as the ſides are ſuppoſed to be nearly ſtrait) the girt in the middle at D, 54 inches; one fourth of which is 13$\frac{1}{2}$ inches: Now look into the table of ſolid meaſure for 13$\frac{1}{2}$ inches the ſide, and 24 feet the ength, and you will find the content of this piece to be 30 F. 4 In. 6 P. (*viz.* 30 feet, 4 nches, and 6 twelfth parts, which 6 twelfth parts are equal o half an inch) when meaſurd by one dimenſion.

f the length A, E, by one dimenſion: which is but two-thirds of the length A, G.

Having as above found the ntent of the whole A G, by ne dimenſion, to be 30 feet, 4 inches, 6 parts: Let us now try what this piece A E will produce, when meaſured by one dimenſion; we then having a length only of 16 feet, *viz.* from A to E, (inſtead of 24 feet, from A to G, as before) and that one fourth of the girt in the middle at C, is 17 inches: Now if you look in the table of ſolid meaſure for 17 inches the ſide of the ſquare at C, and 16 feet the length, you will find this piece A E, to contain 32 feet, 1 inch, 4 parts of timber; notwithſtanding 8 feet at the top, from E to G, is cut off, and is not taken the leaſt notice of: whereas when this top was left on, the whole, from A to G, meaſured but 30 feet, 4 inches, 6 parts, ſo that by cutting off and rejecting 8 feet, at the top, we gain near 2 feet of timber.

N. B. The content of this piece A, E, we had not room to ſpecify in the copperplate facing page xi.

The whole length by three dimenſions.

NOW let us conſider fig. 5, intended to repreſent a piece of timber that is 24 feet long, and the girt at the butt end A, 8 feet, one fourth of which is 24 inches; and the girt at the top G, 12 inches; one fourth of which is 3 inches; and (as the ſides are ſuppoſed to be nearly ſtrait) and the girt in the middle at D, 54 inches; one fourth of which is 13½ inches: Now look into the table of ſolid meaſure for 13½ inches, the ſide of the ſquare, and 24 feet length; and you will find the contents of this piece to be 30 feet, 4 inches, 6 parts, when meaſured by one dimenſion.

Having thus found the content of A G by one dimenſion, to be 30 feet, 4 inches, 6 parts; let us now proceed to ſee what it will produce, when it is cut into three equal lengths, and meaſured by three dimenſions, as deſcribed in fig. 5, *viz.*

Firſt, The piece A C, whoſe length is 8 feet; and the girt at the butt-end A, 8 feet, one fourth of which is 24 inches: and the girt at the top C, 5 feet 8 inches, one fourth of which is 17 inches; and the girt in the middle at B, 6 feet, 10 inches, one fourth of which is 20½ inches: Now look in the table of ſolid meaſure for 20½ inches the ſide of the ſquare, and 8 feet the length, and you will find the content of this piece A C, to be 23 feet, 4 inches, which is only 7 feet leſs than the whole A G (24 feet) when meaſured together; ſo that by cutting off 16 feet at the top, from C to G, which is no leſs than two-thirds of the whole length, you do not loſe quite 7 ſolid feet of timber.

Secondly, The piece C E, whoſe length is alſo 8 feet; and the girt at the butt-end C, 5 feet 8 inches, one fourth of which is 17 inches; and the girt at the top E, 40 inches, one fourth of which is 10 inches: and the girt in the middle at D, 4 feet 6 inches, one fourth of which is $13\frac{1}{2}$ inches: Now look in the table of ſolid meaſure for $13\frac{1}{2}$ inches the ſide of the ſquare, and 8 feet the length, and you will find the content of this piece C E to be 10 feet, 1 inch, 6 parts.

Thirdly, the piece E G, whoſe length is likewiſe 8 feet; and the girt at the butt-end E, 40 inches, one fourth of which is 10 inches; and the girt at the top G, 12 inches, one fourth of which is 3 inches; and the girt in the middle at F, 26 inches, one fourth of which is $6\frac{1}{2}$ inches: Now look in the table of ſolid meaſure for $6\frac{1}{2}$ inches, the ſide of the ſquare, and 8 feet the length, and you will find the content of this piece E G, to be 2 feet, 4 inches, 2 parts.

Having thus meaſured the whole from A to G, by three dimenſions; let us proceed:

Of meaſuring part of fig. 5, *viz.* from C to G, by one dimenſion, alſo by two dimenſions.

By one dimenſion.

NOW let us ſuppoſe 8 feet to be cut off at the butt-end; *viz.* from A to C, and let us proceed to meaſure the remainder C G: Look into the table of ſolid meaſure (for 10 inches the ſide of the ſquare at

E, and 16 feet the length) and you will find the whole contains 11 feet, 1 inch, 4 parts; which 4 parts are equal to one third of an inch.

By two dimenſions.

LET us now ſuppoſe it cut in two in the middle at E; and meaſure each part by itſelf. Firſt C E: Now look in the table of ſolid meaſure for 13½ inches the ſide of the ſquare at D, and 8 feet the length, and you will find C E to contain 10 feet, 1 inch, 6 parts.

Let us now meaſure the piece E G: Look in the table of ſolid meaſure for 6½ inches the ſide of the ſquare at F, and 8 feet the length, and you will find E G to contain 2 feet, 4 inches, 2 parts; ſo that you ſee the whole of C G meaſures to one ſolid foot and a half more, when it is meaſured at twice, than it did when it was meaſured at one dimenſion.

Some uſeful obſervations, drawn from the foregoing methods of meaſuring fig. 5.

THIS piece of timber (fig. 5.) and the above manner of meaſuring it, if well conſidered, ſhew the imprudence of thoſe ſellers, who (thinking it may be an advantage to them) leave the pieces with their long taper tops on to a great length, whereby the girt comes to be taken in a much ſmaller part of the tree than it ought, or would have been, if the top had been cut off. And it may likewiſe ſerve to ſhew the advantage there is of buying in ſuch a piece of timber, of 24 feet long, meaſured by one dimenſion, and of ſelling it out again by three dimenſions, after it is cut into three pieces, or lengths, of 8 feet each *.

And here it may be farther worth obſerving, that though in fig. 5. the ſides of the tree are ſuppoſed to be nearly ſtrait, from the butt to the top, viz. from A to G, yet this very rarely happens to be the caſe; for on the contrary moſt trees hold an equal thickneſs (or near it) many feet upwards from the butt, and conſequently meaſure much more than when they taper or diminiſh gradually from the butt to near the top, as fig. 5. is here ſuppoſed to do.

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* Look in the copperplate facing page xi. and you'il ſee that fig. 5. meaſured by three dimenſions, meaſures to 35 ſolid feet and $\frac{3}{4}$, which at 12d. per foot, comes to——	1	15	9
But meaſured by one dimenſion, it meaſures no more than 30 ſolid feet and a $\frac{1}{4}$, and at 12d. per foot comes to——	1	10	3
So that this piece of timber, fig. 5. tho it is bought in, and ſold out, at the ſame price, per foot; and by the very ſame method of meaſuring; yet there is 5s. and 6d. gained by cutting it into three lengths, of 8 feet each.	0	5	6

N. B. For want of room fig. 5. is not drawn in ſcale.

The

The Table of Solid Meaſure applied to the freighting of ſhips, &c.

THE following table of ſolid meaſure (beginning page 23, and ending page 128,) and which is particularly explained on page xxv, *&c.* having been made uſe of for many years paſt by ſeveral judicious merchants, for the expeditious aſcertaining the value of the carriage of goods which pay freight by the ſolid foot: and the table being as well adapted for the freighting of ſhips as for the valuing of timber, I have, to this new edition, added the following directions, for the benefit of thoſe who would apply it to the freighting of ſhips: And they are ſuch as I think ought to prevail: But ſo long as ſome meaſurers will be for taking the dimenſions, and valuing their amount *nearer* than others, there will always be room for diſputes. See fig. 6, in the copper-plate, facing page xi.

☞ 'Tis ſaid, 'tis uſual to make an abatement of $\frac{1}{5}$ upon the admeaſurement of the package of coarſe goods.

To find how many ſolid feet (in order to aſcertain the freight) are contained in any caſe, bale, caſk, *&c.* i. e. how many ſolid feet they will take up in a ſhip.

OBſerve that goods paying freight by the ſolid foot, are commonly packed up in

1. Caſes, cheſts, or trunks.
2. Bales, truſſes, or bundles.
3. Caſks, vats, or fats.

And their contents are all found by one and the ſame method, *viz*, taking the length and girting them, thus:

1. With a rule meaſure the length of the package, and write it down in feet and inches in your memorandum-book; having done this, then you are to reduce the package to a ſquare, which is immediately done thus,

2. With a line, or packthread, gird the package; then double the line together twice, and you have one fourth of the girt (for the ſide of the ſquare) which meaſure upon your rule, and write it down in inches and quarters of an inch. Having thus reduced the package to a ſquare; then,

3. Look at the top of the table of ſolid meaſure for the ſide of the ſquare, (which is equal to $\frac{1}{4}$ of the girt) and keep your eye down the left hand column 'till you find the length of the package in feet, and over againſt that ſtands how many ſolid feet, inches, and 12th parts it contains: But theſe 12th parts, and the inches, are uſually rejected, unleſs they amount to half a foot.

Ex-

EXAMPLE I.

Let the length of a caſe, cheſt, or trunk, be 36 inches, (which is equal to 3 feet) and the girt 96 inches, ($\frac{1}{4}$ of which is 24 inches :) I demand how many ſolid feet ſuch a caſe, &c. contains ?

At the top of the table find 24 inches, the ſide, (equal to $\frac{1}{4}$ of the girt of 96 inches (then keep your eye down the left hand column, and againſt 3 feet, the length, which is equal to 36 inches) you have 12 feet, and ſo many ſolid feet you are to pay freight for, at the price agreed upon.

☞ When you cannot find the exact length of the package in the table at once, you are to take it out at twice, as in the following example.

EXAMPLE II.

Let the length of a caſe, &c. be 54 inches, (which is equal to 4 feet and an half) and the girt 152 inches ($\frac{1}{4}$ of which is 38 inches) I demand how many ſolid feet the caſe contains ?

At the top of the table find 38 inches, the ſide (equal to $\frac{1}{4}$ of the girt of 152 inches) then keep your eye down the left hand column, and againſt 4 feet the length is 40 : 1 : 4, which write down, and at the bottom of the table againſt $\frac{1}{2}$ a foot, the length, is 5 : 0 : 2, then add theſe together, and they make 45 feet, 1 inch, and 6 12th parts; which 6 12th parts are equal to half an inch, and ſo many ſolid feet you are to pay freight for, at the price agreed upon.

F.	In.	P.
40	1	4
5	0	2
45	1	6

☞ When you have any inches in the length leſs than $\frac{1}{4}$, $\frac{1}{2}$, or $\frac{3}{4}$ of a foot, you are to proceed as in the following example.

EXAMPLE III.

Let the length of a caſe, &c. be 62 inches. (which is equal to 5 feet 2 inches) and the girt 122 inches, ($\frac{1}{4}$ of which is 30$\frac{1}{2}$ inches) I demand how many ſolid feet the caſe contains?

At the top of the table find 30$\frac{1}{2}$ inches, the ſide of the ſquare (equal to $\frac{1}{4}$ of the girt of 122 inches) then keep your eye down the left hand column, and againſt 5 feet ſtands —— which write down: THEN for the 2 inches: I conſider that 2 inches is 2 thirds of $\frac{1}{4}$ of a foot, and at the bottom of the table I find, againſt $\frac{1}{4}$ of a foot, 1 foot 7 inches, 4 12th parts, and 6 ſeconds (but the 12th parts and ſeconds may be rejected.) Now $\frac{2}{3}$ of 1 foot is 8 inches, and $\frac{2}{3}$ of 7 inches is 4 inches,

F.	In.	P.
32	03	07
0	10	04
33	01	11

4 inches $\frac{2}{3}$, which I write down alſo; and then add them together, and find they make 33 feet, 1 inch, and 11 12th parts of an inch; and ſo many ſolid feet you are to pay freight for, at the price agreed upon.

☞ When Caſes taper, and are ſmaller at one end than the other; to reduce them to a ſquare you muſt girt them in the middle from each end: Or you may find $\frac{1}{4}$ of the girt at each end, and add them together, and take half of it for the ſide of the ſquare, and work as in the foregoing example.

Of BALES, TRUSSES, *&c.*

THE ſolid feet in any bale, truſs, or bundle, are found by taking their length, and reducing them to a ſquare by girting them, as in the three foregoing examples; provided they are as large at one end as the other: But in caſe they ſhould taper and be ſmaller at one end than the other, then they are to be girt in the middle from each end; and taking $\frac{1}{4}$ of the girt (for the ſide of the ſquare) proceed to find the ſolid feet, as already taught for caſes; and as following for caſks.

Of CASKS, FATS OR VATS.

THE ſolid feet in any caſk or fat are found by taking their length, and reducing them to a ſquare, by girting them as caſes, bales, &c. provided they are ſtrait-ſided: But if they are ſmaller at the ends than in the middle, then you muſt girt them at the midway between the middle and end of the ſtaves, and take $\frac{1}{4}$ of the girt for the ſide of the ſquare: Or you may find $\frac{1}{4}$ of the girt in the middle, and alſo at the end, and add them together, and take half of it for the ſide of the ſquare, and proceed as in the foregoing examples of caſes, cheſts, and trunks.

☞ In taking the length of a bulging caſk with a line, without ſome care you may take it too long: For though a ſtrait ſided caſk and a bulging caſk, when ſtanding on their end, may be of the ſame height, yet if the length is taken with a line when they are lying, the bulging caſk will be apt to meaſure longer than the ſtrait ſided one, which ſhould be guarded againſt. And where the hoops riſe higher than the middle or bulging part of the caſk, the girt ought to be taken over the wideſt hoop: And it is uſual for the ſhip's meaſurer to endeavour, on all occaſions, to obtain the largeſt girt.

☞ 'Tis ſaid ſome girt the caſks in the middle, and abate $\frac{1}{5}$ for their tapering

☞ In taking the length and girt of caſes, cheſts, trunks, &c. when they are ſtrengthened or ſecured with battens: Or where there is any thing that any how hinders other ſquare goods from lying cloſe by them; that which ſo hinders their lying cloſe is to be meaſured in and paid for, as if the length and girt had been every where as large as in thoſe particular places; by reaſon it occaſions ſo much loſs in the ſtowage of the ſhip.

One of our greateſt copperſmiths, for making large ſtills, coppers, boilers, &c. for exportation, informs me, That it is uſual to aſcertain the freight of them by taking the greateſt external diameter, even to the outſide of the nails; if

a

a large external diameter cannot be obtained elſewhere; and then to pay freight as if the ſtill, copper, &c. were a ſtrait ſided ſquare. [See the copperplate facing page xi. fig. 6.] And when this is the caſe, you pay for the white corners, or ſpaces, &c. of the ſquare every where, which the ſtill, copper, &c. never occupies any part of: This ſeems ſevere, as ſeveral things may be ſtowed in thoſe white corners or ſpaces, &c. He alſo ſays, the exporter has the liberty of filling the ſtills, coppers, &c. with corn, or what elſe he pleaſes.

THE

THE EXPLANATION AND USE

Of the four following

TABLES

For finding

The value, per foot Cube, of Timber, Stone, &c. cut to any ſize or ſcantling.

Beginning on page 130, and ending on page 137.

THO' theſe tables are four in number, yet being all of the ſame nature, and only differing in price, if I explain and ſhew the uſe of one, the other three will be underſtood of courſe. And whoever underſtands the uſe of the table of unequal-ſided timber on page 2, can need very little inſtruction to underſtand theſe; which are much of the ſame nature.

I. At the beginning of the table at one 1s. 6d. (or 18d.) per foot cube (on page 130) betwixt two parallel lines ſtands 2 inches Square, which is the thickneſs of the leſſer ſide of the piece you would find the value of; and under the ſaid parallel lines are three rows of figures: In that column to the left hand divided from the other two by a black line, is the breadth or larger ſide of the piece to be valued.

N. B. The figures of 2 in the ſaid left hand column, which ſtand betwixt the figures 2, 3, 4, 5, &c. ſignify two quarters or half an inch.

II. The ſecond and third rows of figures (which ſtand againſt the ſeveral breadths or larger ſides in the firſt column) ſhew the value of one foot in length in pence, and the eighth part of a penny.

N. B. In the tables at 1s. 6d. 2s. and 2s. 6d. the value is given in pence, and the eight part of a penny, or half a farthing. But in the table at 3s. the value is given in pence and farthings.

EXAMPLE I.

What is the value of one foot in length of a piece of timber, ſtone, &c. whoſe ſize or ſcantling is 6 inches by 9 inches, at 18d. per foot Cube?

In the table at 18d. (or 1s. 6d.) look for 6 inches Sqr. betwixt the parallel lines, keeping your eye down the left hand column 'till you come to 9 inches; and againſt it ſtands 6 : 6, which ſignifies 6d. $\frac{3}{4}$; (for 6 eighths of a penny is equal to 3 farthings, the value ſought.

	s.	d.		d.
N. B. By the table at	2	0	the value will be found to be	9
	2	6		11$\frac{1}{4}$
	3	0		13$\frac{1}{2}$

Ex-

EXAMPLE II.

What is the value of one foot in length of a piece of timber, ſtone, &c. whoſe ſize or ſcantling is 6½ inches by 9½ inches, at 18d. *per* foot cube?

In the table at 18d. (or 1s. 6d.) look for 6½ ſquare in the parallel lines, keeping your eye down the left hand column until you come to 9½ inches; (the ½ inch is ſignified by the figure of 2 that ſtands under the 9) and againſt it ſtands 7 : 5, which ſignifies 7d. and 5 half farthings, (or 7d. and 5 eighths of a penny) the value ſought.

	s.	d.		d.
N. B. By the table at	2	0	the value will be found to be	10¼
	2	6		12¾
	3	0		15¼

☞ By obſerving the following directions theſe 4 tables may be made as uſeful for valuing timber, ſtone, &c. at any other price per foot cube, as they are for the prices they are calculated for.

If you want the price at	s. d.	per foot Cube	
	3 6		Add the value at 18d. to the value at 2s. and that is the value at 3s. 6d.
	4 0		Double the value at 2s. and that is the value at 4s
	4 6		Add the value at 2s. to the value at 2s. 6d. and that is the value at 4s. 6d.
	5 0		Double the value at 2s. 6d. and that is the value at 5s.
	5 6		Add the value at 2s. 6d. to the value at 3s. and that is the value at 5s. 6d.
	6 0		Double the value at 3s. and that is the value at 6s.

If you want the price at	s. d.	per foot Cube, take Half the value at	s. d.	and that is the value at	s. d.
	0 9		0 18		0 9
	1 0		2 0		1 0
	1 3		2 6		1 3

If you want the price at	d.	per ſoot Cube more than the price any of the tables are calculated for; for	d.	Add to the value in that table		Of the value at 2s. per foot, and you have the value ſought.
	2		2		$\frac{1}{12}$	
	3		3		$\frac{1}{8}$	
	4		4		$\frac{1}{6}$	
	6		6		$\frac{1}{4}$	

If you want the price at	d.	per foot Cube less than the price any of the tables are calculated for; for	d.	Deduct from the value in that table		Of the value at 2s. per foot, and you have the value ſought.
	2		2		$\frac{1}{12}$	
	3		3		$\frac{1}{8}$	
	4		4		$\frac{1}{6}$	
	6		6		$\frac{1}{4}$	

N. B. I ſuppoſe you need not be told that 1d. is the 24th part of the value at 2s. or the 18th part of the value at 18d.; or that 5d. is the 6th part of the value at 2s. 6d. and that when you want the price at 1d. or 5d. *more* or *leſs* than any of the tables are calculated for, you muſt *add* to or *deduct* from the value ſet down in the tables, accordingly.

☞ If you ſhould ever want to find the value of one foot in length of a piece of timber, ſtone, &c. whoſe ſize or ſcantling is larger than the extent of theſe tables, this is

The RULE:

Conſider at what price per foot cube you would value it by, then ſeek in that table for the value of one foot of timber or ſtone, whoſe ſcantlings are each of them but equal to half the given ſcantlings, and four times that price is the value ſought. [See example VI. page xxix and xxx.]

EXAMPLE III.

What is the value of one foot in length of a piece of timber or ſtone, &c. whoſe ſcantlings are 14 inches by 20 inches, at 18d. (or 1s. 6d.) per foot cube?

Here you are firſt to conſider, that half the given ſcantling is 7 by 10. Then in the table at 18d. per foot cube you are to look betwixt the parallel lines for 7 inches ſquare, keeping your eye down the left hand column till you come to 10 inches, and over-againſt 10 inches ſtands 8 : 6, which ſignifies 8d. $\frac{3}{4}$, and four times 8d. $\frac{3}{4}$ is 2s. 11d. and that is the value of one foot in length, whoſe ſcantling is 14 inches by 20 inches at the rate of 18d. per foot cube. And

	s. d.		s. d.
By the Table at	2 0 2 6 3 0	the value will be found to be	3 $10\frac{1}{2}$ 4 10 5 10

N. B. When you are about to value timber, ſtone, &c. per foot cube, you are carefully to conſider, that by reaſon of the length of carriage, the price of workmen's wages, &c. they are rendered much dearer in ſome places than they are in others, and therefore they muſt be valued at a price accordingly.

THE

THE
EXPLANATION
AND
USE
Of the following
TABLE
OF
SUPERFICIAL OR FLAT MEASURE,

Beginning on page 140, and ending on page 186.

1ſt. THIS table begins with 1 inch broad, and by the addition of a quarter of an inch, extends itſelf to 24 inched the breadth.

2dly. Each page of this table is divided into two diſtinct parts, and each part conſiſts of two columns.

3dly. The firſt part of the narrow column to the left hand ſhews the ſeveral lengths in feet, from 1 to 24; and the ſecond part the inches, from 1 to 11; and the third part, the quarters of an inch.

4thly. The three or four rows of figures in the larger column, on the right hand, marked at the top Ft. In. Pa. and lower Ft. In. Pa. S. and T. are the ſeveral contents in ſquare feet, inches, twelfth parts of an inch, ſe-

ſeconds and thirds, anſwering to every foot, inch, and quarter of an inch, in the length, in the left hand column.

The Uſe of the TABLE.

EXAMPLE I.

If a board is 5 inches broad and 9 feet long, I deſire to know how many ſquare feet are contained therein?

Look at the top of the table for 5 inches (the breadth,) and then keep your eye down the left hand column, 'till you come to 9 feet (the length,) and over-againſt that ſtands 3 : 9 : 0, which ſignify 3 feet, 9 inches, and is the content required.

EXAMPLE II.

There's a plank, 17 feet, 9 inches long, and $21\frac{1}{2}$ inches broad, I demand how many ſquare feet are contained in that plank?

At the top of the table find $21\frac{1}{2}$ inches (the breadth) and then look down the left hand column for 17 feet (the length) and right againſt it ſtands 30 : 5 : 6; which ſignifies 30 feet, 5 inches, and 6 twelfth parts, or half an inch. Then look for 9 inches (the length) and againſt it ſtands 1 : 4 : 1 : 6, that is, 1 foot, 4 inches, 1 twelfth part of an inch, and 6 ſeconds, (or half a twelfth part of an inch) then add theſe two together, and you find the content to be 31 feet, 9 inches, and 7 twelfth parts of an inch—the 6 ſeconds may be rejected.

	Ft.	In.	P.	S.
At 17 feet	30	5	6	0
At 9 inches	1	4	1	6
The content required	31	9	7	6

☞ The quarters of an inch, (when you have occaſion for them) muſt be found and added to the feet and inches.

N. B. If you have a plank broader at one end than the other (which is very common) you will certainly (by what has been obſerved before) either take the breadth in the middle; or at each end, and add them together, and take the half for the true breadth (provided both edges be ſtrait) as you are directed in the caſe of ſolid meaſure, on pages xxxii and lxxi.

☞ When you happen to meet with any board, plank, &c. broader than 24 inches, or longer than 24 feet, you muſt obſerve,

EXAMPLE III.

In a plank 19 feet long, and 27 inches broad, I demand how many ſquare feet there are?

☞ Now ſince your table extends but to 24 inches broad, the 27 inches muſt be taken out at twice, viz.

	F.	I.	P.
19 feet long, and 24 inches broad, is	38	0	0
19 feet long, and $\frac{3}{27}$ inches broad, is	04	9	0
The content required is	42	9	0

So that a plank, 19 feet long, and 27 inches broad, contains 42 ſuperficial feet and 9 inches.

If you have a ſtock, or parcel of boards or planks to meaſure, which are all of one length, but of different breadths, you muſt ſet down the contents of each, and add them together in the following manner.

EXAMPLE IV.

16 Feet is the common length, and the breadth of

			Contents.		
No.		Inches.	F.	I.	P.
1	is	7	9	4	0
2		7½	10	0	0
3		8	10	8	0
4		8½	11	4	0
5		9	12	0	0
6		9½	12	8	0
7		10	13	4	0
8		10½	14	0	0
9		11	14	8	0
10		11½	15	4	0
11		12	16	0	0
The ſquare or ſuperficial content of the ſaid 11 planks is			139	4	0

Which is 139 feet, 4 inches, the content required.

☞ See the obſervations concerning Sawers work, on page lxxi.

THE

THE
USE
OF THE
TABLE
OF
SUPERFICIAL or FLAT
MEASURE,

When applied to

GLAZIERS Work of all kinds.

Beginning on page 140, and ending on page 186.

EXAMPLE I.

IN a window of leaded glaſs, which has three lights in it, each light being 3 feet long, and $15\frac{1}{4}$ inches broad, I deſire to know how many feet there are of glazing.

Firſt add the length of the three lights together, which makes 9 feet; then look in the table for $15\frac{1}{4}$ inches, the breadth, and againſt 9 feet (the length) you will find 11 : 5 : 3; which is 11 feet, 5 inches, and 3 12th parts, or a quarter of an inch, and that is the content of the three lights required.

EXAMPLE II.

In four windows (of leaded glaſs) each window having two lights, and each light being 3 feet, $6\frac{3}{4}$ inches long, and $17\frac{3}{4}$ inches broad: I demand how many feet there are of glazing ?

Firſt the length of all the 8 lights muſt be added together, which makes 28 feet, and 6 inches ; then look in the table for $17\frac{3}{4}$ inches the breadth.

But ſince the table does not extend to 28 feet the length, you muſt take the anſwer out at thrice, viz.

	F.	In.	P.	S.
20 Feet long, and $17\frac{3}{4}$ inches the breadth is	29	07	0	0
8 Feet long, and $17\frac{3}{4}$ inches the breadth, is	11	10	0	0
6 inches long, and $17\frac{3}{4}$ inches the breadth, is	00	08	10	6
The content required	42	01	10	6

So that 4 windows, each having two lights, and each light being 3 feet 6 $\frac{3}{4}$ inches long, and 17 $\frac{3}{4}$ inches wide, contain 42 feet, 1 inch, 10 parts, 6 ſeconds of glazing.

N. B. If you have any quarters of an inch in the length, they muſt be found at the bottom of the table, and added as the inches are in this Example II.

To meaſure Saſh-ſquares, this Table is alſo very uſeful

EXAMPLE III.

In a ſaſh-window that has 12 ſquares of glaſs, (*i. e.* is 4 high and 3 broad) each ſquare being 10 inches high, and $8\frac{1}{4}$ inches broad. I would know how many feet of glaſs it contains ?

First, add together the height of the 12 ſquares, which make 10 feet; then look in the table for 8¼ inches the breadth, and againſt 10 feet (the length) is 6 feet, 10 inches, and 6 twelfth parts, or half an inch; which is the quantity of glaſs in the ſaid ſaſh-window.

N. B. If you have any odd inches, or quarters of an inch in the length, you muſt proceed as in Example II.

EXAMPLE IV.

In a ſaſh-window having 18 ſquares, each ſquare being 20 inches high, and 11¾ inches broad. I would know how many feet of glaſs are therein?

First add together the height of the 18 ſquares, which is 360 inches (or 30 feet;) then look in the table for 11¾ inches the breadth.

But ſince the table does not extend to 30 feet the length, you muſt take the anſwer out at twice, viz.

	F.	In.	P.
20 feet long, and 11 inches ¾, in breadth, is	19	7	0
10 feet long, and 11 inches ¾ in breadth, is	09	9	6
The content required is	29	4	6

So that a ſaſh-window that hath 18 ſquares, each ſquare being 20 inches high, and 11¾ inches wide, contains 29 feet 4 inches and a half of glaſs.

☞ Obſerve that for the generality, ſaſh windows have either 12 or 18 ſquares each; and in ſuch a caſe the quantities are more eaſily and expeditiouſly found by the following method.

When a window hath 12 ſquares, the inches in height are to be conceived ſo many feet in length, as will more plainly appear by reconſidering the foregoing example III. where the 12 ſquares were each of them 10 inches high, and conſequently, when added together, made 10 feet in length; ſo that by this method of conceiving the inches in height to be feet, the trouble and time in adding the 12 together, is hereby ſaved, and the queſtion more eaſily anſwered.

Again: When a window hath 18 ſquares in it, if you conceive the height in inches to be feet, and take the content as given by the table, and the half of that content, and theſe added together, will be the quantity; and this method will be very ſerviceable (if rightly underſtood) for by this means you will rarely exceed the extent of the table (few ſquares bring more than 24 inches high, the bounds of the table in feet) as for inſtance:

In Example IV. where the height of each ſquare was 20 inches, and $11\frac{3}{4}$ inches broad, look in the table for $11\frac{3}{4}$ inches, and againſt 20 feet long, (i. e. inches high) is 19 feet, 7 inches, es, half of which is 9 feet, 9 inches, and a half; and theſe being added together, make 29 feet, 4 inches, and a half; which was the content as given before on page lxvi.

Many more examples might be added to illuſtrate this rule, but a little application and practice will make it very eaſy and familiar.

A TABLE of Engliſh Meaſures, and Quantities, relating to Building and Land.

AN inch, is one twelfth of of a foot.

A Palm, is 3 inches.

A hand, is 4 inches.

A ſpan, is 9 inches, or a quarter of a yard, or half a cubit.

A foot is 12 inches or 3 hands.

A ſquare foot, is 144 ſquare inches.

A cubical foot, is 1728 cubical inches.

A cubit, is 4 hands and a half, or 1 foot and a half.

A yard is 36 inches, or 2 cubits.

A ſquare yard, is 9 ſquare feet.

A cubical yard, is 27 cubical feet.

An ell is 1 yard and a quarter, or 45 inches.

A geometrical pace, is 5 feet.

A fathom, is 6 feet, or 2 yards.

A ſquare, is 100 ſquare feet.

A ſtatute-pole, or perch, or rod, is 16 feet and a half.

A chain, is 4 ſtatute-poles, or perches, or 22 yards.

A fen, or woodland-pole, or perch, is 18 feet.

A foreſt-pole, or perch, is 21 feet.

A furlong, is 40 poles, or perches, or 220 yards.

A mile, is 8 furlongs, or 1760 yards.

A ſquare ſtatute-pole, or perch is 272¼ ſquare feet.

A ſquare woodland pole, or perch, is 234 ſquare feet.

A rood is 40 ſquare poles or perches.

An acre is 4 ſquare roods, or 160 perches.

A load of rough timber is 40 feet.

A load of ſquared timber is 50 feet.

A load of 1 inch plank, is 600 ſquare feet.

A load of 1½ inch plank, is 400 ſquare feet.

A load of 2 inch plank, 300 ſquare feet.

A load of 2½ inch plank, is 240 ſquare feet.

A load of 3 inch plank is 200 ſquare feet.

A load of 3½ inch plank, is 170 ſquare feet.

A load of 4 inch plank, is 150 ſquare feet.

A load of ſtatute bricks, is 500.

A load of plain tiles, is 1000.

A load of lime, is 32 buſhels.

A load of ſand, is 36 buſhels.

A hundred of lime, is 35 buſhels.

A hundred of deals, is 120.

A hundred of nails, is 120.

A thouſand of nails, is 1200.

A ton of iron, is 2240 pound-weight.

A fodder of lead, is 1900½, or 2184 pounds.

A hundred of lead, is 112 pound weight.

A table of glaſs, is 5 feet, and 45 tables is a caſe; but of Newcaſtle and Normandy glaſs, 25 tables make a caſe.

A bundle of 4 feet oak-heart laths, is 120, and 37½ bundles is a load.

A bundle of 5 feet oak-heart laths, is 100, and 30 bundles is a load.

N. B. Fir or deal laths are of divers lengths, as 3, 4, 5, and 6 feet; but all of them are reduced to the ſtandard length of 5 feet; and ſo every run of bundles (each bundle containing 100 laths) is a load, being equal to 30 bundles of 5 feet laths.

SOME

OBSERVATIONS

CONCERNING

TIMBER

Sawed into

BOARDS or PLANKS.

And alſo

Concerning Sawyers Work,
and the uſual method of meaſuring
them: With ſome
account of the London prices
of Sawyers Work.

The following fig. 1. and fig. 2: are intended to repreſent two different ſhaped boards, or planks, each 6 feet long, each 10 inches broad at the butt, and each 8 inches broad at the top; the dotted lines ſhew how they each differ from the boards or planks, as are ſtraight-ſided.

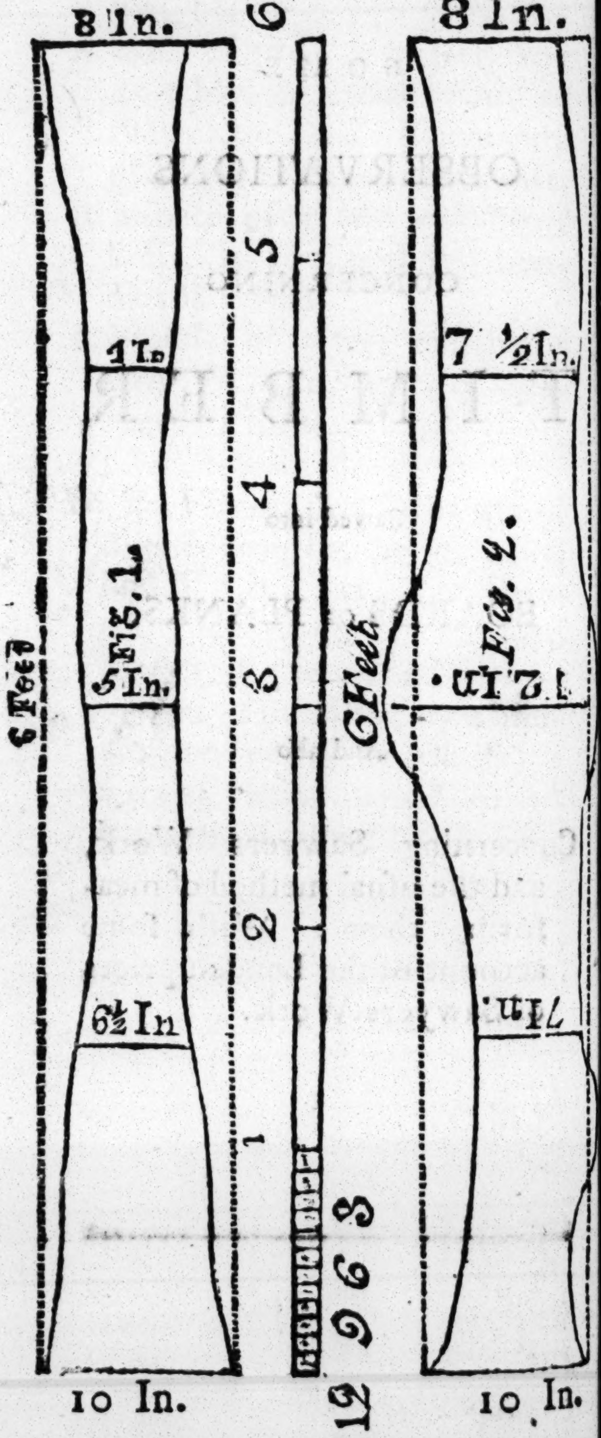


FIG. 1. you ſee meaſures 5 inches in the middle, which

look for in the Table, and at 6 feet the length, you find it contains 2 feet 6 inches, according to the cuſtomary way of meaſuring.

Fig. 2. you ſee meaſures 12 inches in the middle, which look for in the table, and at 6 feet the length, you find it contains 6 feet, according to the cuſtomary way of meaſuring. So that it is evident, that of two boards or planks, of the ſame length, and of the ſame breadth at the butt and top, according as the middle runs, one ſhall contain 3 ſuperficial feet, and an half, more or leſs, than the other.

Fig. 1. by two dimenſions.

Let us now ſuppoſe fig. 1. to be cut in the middle, and to be meaſured by two dimenſions: The middle of the bottom part meaſures 6 inches and a half, which look for in the table, and at 3 feet the length, you find it contains 1 foot, 7 inches, and a half (or 6 parts.) The middle of the top part is 4 inches, which look for in the table, and at 3 feet the length, you will find it contains juſt 1 foot; theſe added together, make the whole to be two feet, 7 inches, and a half; ſo that there is only 1 ſuperficial inch and a half, gained or loſt, by meaſuring fig. 1. by one or two dimenſions.

Fig. 2. by two dimenſions.

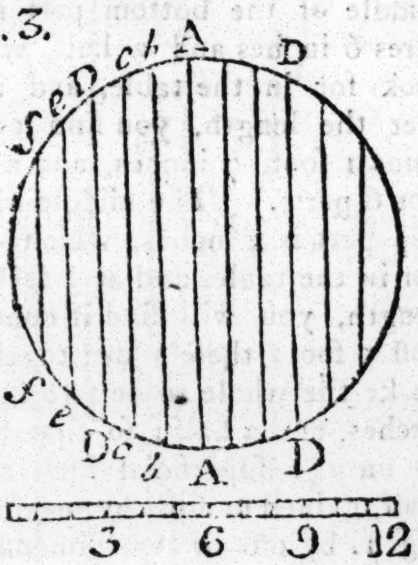
Let us now meaſure fig. 2. by two dimenſions: The middle of the bottom part meaſures 7 inches, which look for in the table, and at 3 feet, the length, you will find it contains 1 foot 9 inches; the middle of the top part is 7½ inches, which by the table at 3 feet the length, is 1 foot, 10 inches and a half; and theſe added

ded together (inſtead of making 6 feet as before) make the whole to contain no more than 3 feet, 7 inches, and a half; which is 2 feet, 4 inches, and a half leſs than it meaſured to, when meaſured by one dimenſion.

And if we ſuppoſe fig. 2. to be a fine walnut tree, 2 inch plank, at 12d. per foot; if meaſured by one dimenſion, it comes to 6s. but if it be meaſured by two dimenſions, it comes (at the ſame price) to no more than 3s. $7\frac{1}{2}$d. which is 2s. $4\frac{1}{2}$d. loſs.

The following Cut, *Fig.* 3, *is intended to repreſent the End of a ſtrait Piece of round Timber,* 12 *Inches Diameter at each End, and* 6 *Feet long.*

Fig. 3.



A. A. Shews what is commonly called Sawyer's Meaſure, for which, at London, if it be Oak, there is uſually paid 3s *per* 100 Feet, Superficial Meaſure.

D. D. Shews what is commonly called Market Meaſure (and which is the trueſt) for which at London, if it be Oak, there is uſually paid 3s. 6d. *per* 100 feet, Superficial meaſure.

☞ The firſt column in the following Table ſhows the Diameter, the ſecond the Superficial Content; and the third, what is loſt per each Cut, or Board, if you pay for them all per Sawyer's Meaſure.

	The Diameter or Breadth of each Cut.		Superficial Content of each Cut or Board.			Loſt per each Cut.		
	Ft.	In.	Ft.	In.	P.	Ft.	In.	P.
AA	1	0	6	0	0	0	0	0
bb	0	11¾	5	10	6	0	1	6
cc	0	11½	5	9	0	0	3	0
DD	0	10¾	5	4	6	0	7	6
ee	0	9	4	6	0	1	6	0
ff	0	7	3	6	0	2	6	0

At London, the Sawyers cut Timber at the following prices.

Oak, from 3s. to 3s 6d. per 100 feet, ſuperficial meaſure; or 7s. *per* load, of 50 feet ſolid.

Ash, from 5s. to 6s. *per* 100 feet, ſuperficial meaſure; or from 8s. to 12s. *per* load of 50 ſolid feet.

Fir, from 3s. to 4s *per* 100 feet, ſuperficial meaſure; or 6s. *per* load, of 50 ſolid feet.

What are called DEALS, are ſawed abroad; but for ſlitting 10 feet deals, there is uſually paid in London 2s. 6d. *per* dozen, or 2½d. *per* cut; and for 12 feet deals, 3s. *per* dozen, or 3d. *per* cut.

Mahogany, from 5s. to 8s. *per* 100 feet, ſuperficial meaſure.

Walnut Tree, from 5s. to 7s. *per* 100 feet, ſuperficial meaſure.

Elm, from 2s. 6d. to 5s. *per* 100 feet, ſuperficial meaſure,

N. B. Mahogany, walnut tree, and elm, are never cut by the load.

N. B. Beech is commonly uſed for bedſteads, chairs, tableframes, &c. and is generally cut in the country.

N. B. The difference in the prices of ſawing the ſame foregoing woods, ariſes from the valuableneſs and fineneſs of the timber and ſawing.

☞ No planking, leſs than 2 inches thick is cut by the load; in caſe it is thinner than 2 inches thick, it is meaſured by the 100 feet, ſuperficial meaſure.

N. B. By cuſtom, the ſawyers at London have one piece with another, as they ſhall happen to fall out, as much per load for breaking down, or cutting a piece of timber into large ſcantlings, as they have for breaking it down, or cutting it into ſmall ſcantlings; viz. they will cut a piece of timber, a foot ſquare, of any length into 2 ſcantlings of 12 inches by 6 inches; or into 4 ſcantlings of 6 inches by 6 inches; or into 12 ſcantlings of 4 inches by 3 inches, all at one and the ſame price, or for the ſame money. And the reaſon they give for this practice is, where the ſtuff proves fine, it is ſeldom, or never, the intereſt of the owner, to have it cut into ſmall ſcantlings.

N. B. Having occaſionally made uſe of the terms lineal, or running; ſuperficial or ſquare; and ſolid or cubical meaſure, in the foregoing pages, it may not be amiſs here to explain them.

Lineal or running meaſure; regards only the length, but has no regard to the breadth or thickneſs.

Superficial or ſquare meaſure; regards the length and breadth.

Solid or cubical meaſure; regards the length, breadth, and thickneſs

A NEW

TABLE

For the Finding at Sight the

SQUARE

Of Unequal-Sided

TIMBER, STONE, &c.

Ready caſt up

Whereby the true Square of any Piece of Timber, Stone, &c. being broader one Way than the other, may be found, from 2 to 54 Inches the broadeſt Side.

And therefore, by Addition only, may ſerve to any greater Breadth, if there ſhould ever be Occaſion.

☞ *See this Table explained on Page* xx.

2 In. Sqr.

2	2	1
3	2	2
2	2	3
4	2	3
2	3	0
5	3	1
2	3	2
6	3	2
2	3	3
7	3	3
2	3	3
8	4	0
2	4	0
9	4	1
2	4	1
10	4	2
2	4	2
11	4	3
2	4	3
12	5	0
2	5	0
13	5	1
2	5	1
14	5	1
2	5	2
15	5	2
2	5	2
16	5	3
2	5	3
17	5	3
2	6	0
18	6	0

2½ In. Sq.

3	2	3
2	3	0
4	3	1
2	3	2
5	3	2
2	3	3
6	3	3
2	4	0
7	4	1
2	4	1
8	4	2
2	4	2
9	4	3
2	4	3
10	5	0
2	5	0
11	5	1
2	5	1
12	5	2
2	5	2
13	5	3
2	5	3
14	6	0
2	6	0
15	6	1
2	6	1
16	6	1
2	6	2
17	6	2
2	6	2
18	6	3

3 In. Sqr.

2	3	1
4	3	2
2	3	3
5	3	3
2	4	0
6	4	1'
2	4	1
7	4	2
2	4	3
8	4	3
2	5	0
9	5	1
2	5	1
10	5	2
2	5	2
11	5	3
2	6	0
12	6	0
2	6	1
13	6	1
2	6	1
14	6	2
2	6	2
15	6	3
2	6	3
16	7	0
2	7	0
17	7	1
2	7	1
18	7	1

3½ Sqr.

4	3	3
2	3	3
5	4	0
2	4	1
6	4	2
2	4	3
7	5	0
2	5	0
8	5	1
2	5	2
9	5	2
2	5	3
10	6	0
2	6	0
11	6	1
2	6	1
12	6	2
2	6	2
13	6	3
2	7	0
14	7	0
2	7	0
15	7	1
2	7	1
16	7	2
2	7	2
17	7	3
2	7	3
18	8	0

4 In. Sqr.

2	4	1
5	4	2
2	4	3
6	5	0
2	5	0
7	5	1
2	5	2
8	5	2
2	5	3
9	6	0
2	6	1
10	6	1
2	6	2
11	6	2
2	6	3
12	7	0
2	7	0
13	7	1
2	7	1
14	7	2
2	7	2
15	7	3
2	7	3
16	8	0
2	8	1
17	8	1
2	8	1
18	8	2

4½ Sqr.

5	4	3
2	5	0
6	5	1
2	5	2
7	5	2
2	5	3
8	6	0
2	6	1
9	6	1
2	6	2
10	6	3
2	6	3
11	7	0
2	7	1
12	7	1
2	7	2
13	7	3
2	7	3
14	8	0
2	8	0
15	8	1
2	8	1
16	8	2
2	8	2
17	8	3
2	8	3
18	9	0

5 In. Sqr.

2	5	1
6	5	2
2	5	3
7	6	0
2	6	0
8	6	1
2	6	2
9	6	3
2	6	3
10	7	0
2	7	1
11	7	2
2	7	2
12	7	3
2	8	0
13	8	0
2	8	1
14	8	1
2	8	2
15	8	3
2	8	3
16	9	0
2	9	1
17	9	1
2	9	1
18	9	2

5½ Sqr.

6	5	3
2	6	0
7	6	1
2	6	2
8	6	3
2	6	3
9	7	0
2	7	1
10	7	2
2	7	2
11	7	3
2	8	0
12	8	0
2	8	1
13	8	2
2	8	2
14	8	3
2	9	0
15	9	0
2	9	1
16	9	2
2	9	2
17	9	3
2	9	3
18	10	0

6 In. Sqr.

2	6	1
7	6	2
2	6	3
8	7	0
2	7	1
9	7	1
2	7	2
10	7	3
2	8	0
11	8	0
2	8	1
12	8	2
2	8	3
13	8	3
2	9	0
14	9	1
2	9	1
15	9	2
2	9	3
16	9	3
2	10	0
17	10	0
2	10	1
18	10	2

6½ Sqr.

7	6	3
2	7	0
8	7	1
2	7	2
9	7	3
2	7	3
10	8	0
2	8	1
11	8	2
2	8	3
12	8	3
2	9	0
13	9	1
2	9	1
14	9	2
2	9	3
15	10	0
2	10	0
16	10	1
2	10	1
17	10	2
2	10	3
18	10	3

7 In. Sqr.

2	7	1
8	7	2
2	7	3
9	8	0
2	8	1
10	8	1
2	8	2
11	8	3
2	9	0
12	9	1
2	9	1
13	9	2
2	9	3
14	10	0
2	10	0
15	10	1
2	10	2
16	10	2
2	10	3
17	11	0
2	11	0
18	11	1

7½ Sqr.

8	7	3
2	8	0
9	8	1
2	8	2
10	8	3
2	8	3
11	9	0
2	9	1
12	9	2
2	9	3
13	9	3
2	10	0
14	10	1
2	10	2
15	10	2
2	10	3
16	11	0
2	11	0
17	11	1
2	11	2
18	11	2

8 In. Sqr.

2	8	1
9	8	2
2	8	3
10	9	0
2	9	1
11	9	2
2	9	2
12	9	3
2	10	0
13	10	1
2	10	2
14	10	2
2	10	3
15	11	0
2	11	1
16	11	1
2	11	2
17	11	3
2	11	3
18	12	0

8½ Sqr.

9	8	3
2	9	0
10	9	1
2	9	2
11	9	3
2	10	0
12	10	0
2	10	1
13	10	2
2	10	3
14	11	0
2	11	0
15	11	1
2	11	2
16	11	3
2	11	3
17	12	0
2	12	1
18	12	1

9 In. Sqr.

2	9	1
10	9	2
2	9	3
11	10	0
2	10	1
12	10	2
2	10	2
13	10	3
2	11	0
14	11	1
2	11	2
15	11	2
2	11	3
16	12	0
2	12	1
17	12	1
2	12	2
18	12	3

9½ Sqr.

10	9	3
2	10	0
11	10	1
2	10	2
12	10	3
2	11	0
13	11	0
2	11	1
14	11	2
2	11	3
15	12	0
2	12	1
16	12	1
2	12	2
17	12	3
2	13	0
18	13	0
2	13	1
19	13	2

10 In. Sq.

2	10	1
11	10	2
2	10	3
12	11	0
2	11	1
13	11	2
2	11	2
14	11	3
2	12	0
15	12	1
2	12	2
16	12	3
2	12	3
17	13	0
2	13	1
18	13	2
2	13	2
19	13	3
2	14	0
20	14	1

10½ Sqr.

11	10	3
2	11	0
12	11	1
2	11	2
13	11	3
2	12	0
14	12	0
2	12	1
15	12	2
2	12	3
16	13	0
2	13	1
17	13	1
2	13	2
18	13	3
2	14	0
19	14	0
2	14	1
20	14	2
2	14	3
21	14	3

11 In. Sq.

2	11	1
12	11	2
2	11	3
13	12	0
2	12	1
14	12	2
2	12	3

15	12	3
2	13	0
16	13	1
2	13	2
17	13	3
2	13	3
18	14	0
2	14	1
19	14	2
2	14	3
20	14	3
2	15	0
21	15	1
2	15	1
22	15	2

11½ Sqr.

12	11	3
2	12	0
13	12	0
2	12	1
14	12	2
2	12	3
15	13	0
2	13	1
16	13	2
2	13	3
17	14	0
2	14	1
18	14	2
2	14	2
19	14	3
2	15	0
20	15	1
2	15	1
21	15	2
2	15	3
22	16	0
2	16	0
23	16	1

12 in. Sq.

2	12	1
13	12	2
2	12	3
14	13	0
2	13	1
15	13	2
2	13	3
16	13	3
2	14	0
17	14	1
2	14	2

18	14	3
2	15	0
19	15	0
2	15	1
20	15	2
2	15	3
21	15	3
2	16	0
22	16	1
1	16	2
23	16	3
2	16	3
24	17	0

12½ Sqr.

13	12	3
2	13	0
14	13	1
2	13	2
15	13	3
2	14	0
16	14	1
2	14	1
17	14	2
2	14	3
18	15	0
2	15	0
19	15	1
2	15	2
20	15	3
2	16	0
21	16	1
2	16	2
22	16	2
2	16	3
23	17	0
2	17	1
24	17	1
2	17	2
25	17	3

13 In. Sq.

2	13	1
14	13	2
2	13	3
15	14	0
2	14	1
16	14	2
2	14	3
17	14	3
2	15	0
18	15	1
2	15	2

19	15	2
2	15	3
20	16	0
2	16	1
21	16	2
2	16	3
22	17	0
2	17	0
23	17	1
2	17	2
24	17	3
2	17	3
25	18	0
2	18	1
26	18	2

13½ Sqr.

14	13	3
2	14	0
15	14	1
2	14	2
16	14	3
2	15	0
17	15	1
2	15	1
18	15	2
2	15	3
19	16	0
2	16	1
20	16	2
2	16	3
21	16	3
2	17	0
22	17	1
2	17	2
23	17	2
2	17	3
24	18	0
2	18	1
25	18	1
2	18	2
26	18	3
2	19	0
27	19	0

14 In. Sq.

2	14	1
15	14	2
2	14	3
16	15	0
2	15	1
17	15	2
2	15	3

18	16	0
2	16	1
19	16	2
2	16	3
20	16	3
2	17	0
21	17	1
2	17	1
22	17	2
2	17	3
23	18	0
2	18	1
24	18	1
2	18	2
25	18	3
2	19	0
26	19	0
2	19	1
27	19	2
2	19	2
28	19	3

14½ Sqr.

15	14	3
2	15	0
16	15	1
2	15	2
17	15	3
2	16	0
18	16	1
2	16	2
19	16	2
2	16	3
20	17	0
2	17	1
21	17	2
2	17	3
22	17	3
2	18	1
23	18	1
2	18	2
24	18	3
2	18	3
25	19	0
2	19	1
26	19	2
2	19	2
27	19	3
2	20	0
28	20	1
2	20	1
29	20	2

15 In. Sq.

2	15	1
16	15	2
2	15	3
17	16	0
2	16	1
18	16	2
2	16	3
19	17	0
2	17	0
20	17	1
2	17	2
21	17	3
2	18	0
22	18	1
2	18	1
23	18	2
2	18	3
24	19	0
2	19	1
25	19	1
2	19	2
26	19	3
2	20	0
27	20	1
2	20	1
28	20	2
2	20	3
29	20	3
2	21	0
30	21	1

15½ Sqr.

16	15	3
2	16	0
17	16	1
2	16	2
18	16	3
2	17	0
19	17	1
2	17	2
20	17	2
2	17	3
21	18	0
2	18	1
22	18	2
2	18	3
23	18	3
2	19	0
24	19	1
2	19	2
25	19	3
2	19	3

26	20	0
2	20	1
27	20	2
2	20	3
28	20	3
2	21	0
29	21	1
2	21	2
30	21	3
2	21	3
31	21	0

16 In. Sq.

2	16	1
17	16	2
2	16	3
18	17	0
2	17	1
19	17	2
2	17	3
20	18	0
2	18	0
21	18	1
2	8	2
22	18	3
2	19	0
23	19	1
2	19	2
24	19	2
2	19	3
25	20	0
2	20	1
26	20	2
2	20	2
27	20	3
2	21	0
28	21	1
2	21	1
29	21	2
2	21	3
30	22	0
2	22	0
31	22	1
2	22	2
32	22	3

16½ Sqr.

17	16	3
2	17	0
18	17	1
2	17	2
19	17	3
2	18	0

0	18	1
2	18	2
21	18	2
2	18	3
22	19	0
2	19	1
23	19	2
2	19	3
24	20	0
2	20	0
25	20	1
2	20	2
26	20	3
2	20	3
27	21	0
2	21	1
28	21	2
2	21	3
29	21	3
2	22	0
30	22	1
2	22	2
31	22	2
2	22	3
32	23	0
2	23	1
33	23	1

17 In. Sq.

2	17	1
8	17	2
[illegible]	17	3
19	18	0
2	18	1
20	18	2
2	18	3
21	19	0
2	19	0
22	19	1
2	19	2
23	19	3
2	20	0
24	20	1
2	20	2
25	20	2
2	20	3
26	21	0
2	21	1
27	21	2
2	21	2
28	21	3
2	22	0

29	22	1
2	22	2
30	22	2
2	22	3
31	23	0
2	23	1
32	23	1
2	23	2
33	23	3
2	23	3
34	24	0

17½ Sqr.

18	17	3
2	18	0
19	18	1
2	18	2
20	18	3
2	19	0
21	19	1
2	19	2
22	19	2
2	19	3
23	20	0
2	20	1
24	20	2
2	20	3
25	21	0
2	21	0
26	21	1
2	21	2
27	21	3
2	22	0
28	22	1
2	22	1
29	22	2
2	22	3
30	23	0
2	23	0
31	23	1
2	23	2
32	23	3
2	23	3
33	24	0
2	24	1
34	24	2
2	24	2
35	24	3

18 In. Sq

2	18	1
19	18	2
2	18	3
20	19	0
2	19	1
21	19	2
2	19	3
22	20	0
2	20	1
23	20	1
2	20	2
24	20	3
2	21	0
25	21	1
2	21	2
26	21	2
2	21	3
27	22	0
2	22	1
28	22	2
2	22	3
29	22	3
2	23	0
30	23	1
2	23	2
31	23	2
2	23	3
32	24	0
2	24	1
33	24	1
2	24	2
34	24	3
2	25	0
35	25	1
2	25	2
36	25	3

18½ Sqr.

19	18	3
2	19	0
20	19	1
2	19	2
21	19	3
2	20	0
22	20	1
2	20	2
23	20	3
2	20	3
24	21	0
2	21	1
25	21	2
2	21	3
26	22	0
2	22	1
27	22	1
2	22	2

28	22	3
2	23	0
29	23	1
2	23	1
30	23	2
2	23	3
31	24	0
2	24	1
32	24	1
2	24	2
33	24	3
2	25	0
34	25	0
2	25	1
35	25	2
2	25	3
36	25	3
2	26	0
37	26	1

19In.Sq.

2	19	1
20	19	2
2	19	3
21	20	0
2	20	1
22	20	2
2	20	3
23	21	0
2	21	1
24	21	1
2	21	2
25	21	3
2	22	0
26	22	1
2	22	2
27	22	3
2	22	3
28	23	0
2	23	1
29	23	2
2	23	3
30	23	3
2	24	0
31	24	1
2	24	2
32	24	3
2	24	3
33	25	0
2	25	1
34	25	2
2	25	2

35	25	3
2	26	0
36	26	1
2	26	1
37	26	2
2	26	3
38	26	3

19½ Sqr.

20	19	3
2	20	0
21	20	1
2	20	2
22	20	3
2	21	0
23	21	1
2	21	2
24	21	3
2	21	3
25	22	0
2	22	1
26	22	2
2	22	3
27	23	0
2	23	1
28	23	1
2	23	2
29	23	3
2	24	0
30	24	1
2	24	2
31	24	2
2	24	3
32	25	0
2	25	1
33	25	1
2	25	2
34	25	3
2	26	0
35	26	0
2	26	1
36	26	2
2	26	3
37	26	3
2	27	0
38	27	1
2	27	2
39	27	2

20In.Sq.

2	20	1
21	20	2
2	20	3

22	21	0
2	21	1
23	21	2
2	21	3
24	22	0
2	22	1
25	22	1
2	22	2
26	22	3
2	23	0
27	23	1
2	23	2
28	23	3
2	23	3
29	24	0
2	24	1
30	24	2
2	24	3
31	25	0
2	25	0
32	25	1
2	25	2
33	25	3
2	26	0
34	26	1
2	26	1
35	26	2
2	26	3
36	26	3
2	27	0
37	27	1
2	27	2
38	27	2
2	27	3
39	28	0
2	28	0
40	28	1

20½ Sqr.

21	20	3
2	21	0
22	21	1
2	21	2
23	21	3
2	22	0
24	22	1
2	22	2
25	22	3
2	22	3
26	23	0
2	23	1
27	23	2
2	23	3

28	24	0
2	24	1
29	24	1
2	24	2
30	24	3
2	25	0
31	25	1
2	25	2
32	25	2
2	25	3
33	26	0
2	26	1
34	26	2
2	26	2
35	26	3
2	27	0
36	27	1
2	27	1
37	27	2
2	27	3
38	28	0
2	28	1
39	28	2
2	28	3
40	28	3
2	29	0
41	29	1

21 In.Sq.

2	21	1
22	21	2
2	21	3
23	22	0
2	22	1
24	22	2
2	22	3
25	23	0
2	23	1
26	23	1
2	23	2
27	23	3
2	24	0
28	24	1
2	24	2
29	24	3
2	25	0
30	25	0
2	25	1
31	25	2
2	25	3
32	26	0
2	26	0
33	26	1
2	26	2
34	26	3
2	27	0
35	27	0
2	27	1
36	27	2
2	27	3
37	27	3
2	28	0
38	28	1
2	28	2
39	28	2
2	28	3
40	29	0
2	29	1
41	29	1
2	29	2
42	29	3

21$\frac{1}{2}$ Sqr.

22	21	3
2	22	0
23	22	1
2	22	2
24	22	3
2	23	0
25	23	1
2	23	2
26	23	3
2	23	3
27	24	0
2	24	1
28	24	2
2	24	3
29	25	0
2	25	1
30	25	2
2	25	2
31	25	3
2	26	0
32	26	1
2	26	2
33	26	3
2	26	3
34	27	0
2	27	1
35	27	2
2	27	3
36	27	3
2	28	0
37	28	1
2	28	2
38	28	2
2	28	3
39	29	0
2	29	1
40	29	1
2	29	2
41	29	3
2	29	3
42	30	0
2	30	1
43	30	2

22 In.Sq.

2	22	1
23	22	2
2	22	3
24	23	0
2	23	1
25	23	2
2	23	3
26	24	0
2	24	1
27	24	1
2	24	2
28	24	3
2	25	0
29	25	1
2	25	2
30	25	3
2	26	0
31	26	0
2	26	1
32	26	2
2	26	3
33	27	0
2	27	1
34	27	1
2	27	2
35	27	3
2	28	0
36	28	1
2	28	1
37	28	2
2	28	3
38	29	0
2	29	0
39	29	1
2	29	2
40	29	3
2	29	3
41	30	0
2	30	1
42	30	2
2	30	2

43	30	3
2	31	0
44	31	0

22½ Sqr.

23	22	3
2	23	0
24	23	1
2	23	2
25	23	3
2	24	0
26	24	1
2	24	2
27	24	3
2	24	3
28	25	0
2	25	1
29	25	2
2	25	3
30	26	0
2	26	1
31	26	2
2	26	2
32	26	3
2	27	0
33	27	1
2	27	2
34	27	3
2	27	3
35	28	0
2	28	1
36	28	2
2	28	3
37	28	3
2	29	0
38	29	1
2	29	2
39	29	2
2	29	3
40	30	0
2	30	1
41	30	1
2	30	2
42	30	3
2	31	0
43	31	0
2	31	1
44	31	2
2	31	3
45	31	3

23 In.Sq.

2	23	1
24	23	2
2	23	3
25	24	0
2	24	1
26	24	2
2	24	3
27	25	0
2	25	1
28	25	2
2	25	2
29	25	3
2	26	0
30	26	1
2	26	2
31	26	3
2	27	0
32	27	1
2	27	1
33	27	2
2	27	3
34	28	0
2	28	1
35	28	1
2	28	2
36	28	3
2	29	0
37	29	1
2	29	1
38	29	2
2	29	3
39	30	0
2	30	1
40	30	2
2	30	3
41	31	0
2	31	0
42	31	1
2	31	2
43	31	2
2	31	3
44	32	0
2	32	1
45	32	1
2	32	2
46	32	3

23½ Sqr.

24	23	3
2	24	0
25	24	1
2	24	2
26	24	3
2	25	0
27	25	1
2	25	2
28	25	3
2	25	3
29	26	0
2	26	1
30	26	
2	26	3
31	27	0
2	27	1
32	27	2
2	27	3
33	27	3
2	28	0
34	28	1
2	28	2
35	28	3
2	29	0
36	27	0
2	29	1
37	29	2
2	29	3
38	29	3
2	30	0
39	30	1
2	30	2
40	30	3
2	30	3
41	31	0
2	31	1
42	31	2
2	31	2
43	31	3
2	32	0
44	32	1
2	32	1
45	32	2
2	32	3
46	33	0
2	33	0
47	33	1

24 In.Sq.

2	24	1
25	24	2
2	24	3
26	25	0
2	25	1
27	25	2
2	25	3
28	26	0
2	6	1

29	26	1
2	26	2
30	26	3
2	27	0
31	27	1
2	27	2
32	27	3
2	28	0
33	28	1
2	28	1
34	28	2
2	28	3
35	29	0
2	29	1
36	29	2
2	29	2
37	29	3
2	30	0
38	30	1
2	30	2
39	30	2
2	30	3
40	31	0
2	31	1
41	31	1
2	31	2
42	31	3
2	32	0
43	32	0
2	32	1
44	32	2
2	32	3
45	33	0
2	33	0
46	33	1
2	33	2
47	33	2
2	33	3
48	34	0

24½ Sqr.

25	24	3
2	25	0
26	25	1
2	25	2
27	25	3
2	26	0
28	26	1
2	26	2
29	26	3
2	27	0
30	27	0
2	27	1

31	27	2
2	27	3
32	28	0
2	28	1
33	28	2
2	28	3
34	28	3
2	29	0
35	29	1
2	29	2
36	29	3
2	30	0
37	30	0
2	30	1
38	30	2
2	30	3
39	31	0
2	31	0
40	31	1
2	31	2
41	31	3
2	31	3
42	32	0
2	32	1
43	32	2
2	32	3
44	32	3
2	33	0
45	33	1
2	33	2
46	33	2
2	33	3
47	34	0
2	34	0
48	34	1
2	34	2
49	34	3

25 In. Sq.

2	25	1
26	25	2
2	25	3
27	26	0
2	26	1
28	26	2
2	26	3
29	27	0
2	27	1
30	27	1
2	27	2
31	27	3
2	28	0

32	28	1
2	28	2
33	28	3
2	29	0
34	29	1
2	29	1
35	29	2
2	29	3
36	30	0
2	30	1
37	30	2
2	30	2
38	30	3
2	31	0
39	31	1
2	31	2
40	31	2
2	31	3
41	32	0
2	32	1
42	32	2
2	32	2
43	32	3
2	33	0
44	33	1
2	33	1
45	33	2
2	33	3
46	34	0
2	34	0
47	34	1
2	34	2
48	34	3
2	44	3
49	35	0
2	35	1
50	35	1

25½ Sqr.

26	25	3
2	26	0
27	26	1
2	26	2
28	26	3
2	27	0
29	27	1
2	27	2
30	27	3
2	27	3
31	28	0
2	28	1
32	28	2
2	28	3

33	29	0
2	29	1
34	29	2
2	29	3
35	29	3
2	30	0
36	30	1
2	30	2
37	30	3
2	31	0
38	31	1
2	31	1
39	31	2
2	31	3
40	32	0
2	32	0
41	32	1
2	32	2
42	32	3
2	33	0
43	33	0
2	33	1
44	33	2
2	33	3
45	33	3
2	34	0
46	34	1
2	34	2
47	34	2
2	34	3
48	35	0
2	35	1
49	35	1
2	35	2
50	35	3
2	35	3
51	36	0

26 In Sq.

2	26	1
27	26	2
2	26	3
28	27	0
2	27	1
29	27	2
2	27	3
30	28	0
2	28	1
31	28	2
2	28	2
32	28	3
2	29	0

33	29	1
2	29	2
34	29	3
2	30	0
35	30	1
2	30	2
36	30	2
2	30	3
37	31	0
2	31	1
38	31	2
2	31	3
39	31	3
2	32	0
40	32	1
2	32	2
41	32	3
2	32	3
42	33	0
2	33	1
43	33	2
2	33	3
44	33	3
2	34	0
45	34	1
2	34	2
46	34	2
2	34	3
47	35	0
2	35	1
48	35	1
2	35	2
49	35	3
2	35	3
50	36	0
2	36	1
51	36	2
2	36	2
52	36	3

26½ Sqt.

27	26	3
2	27	1
28	27	2
2	27	3
29	28	0
2	28	0
30	28	1
2	28	2
31	28	3
2	28	3
32	29	0
2	29	1

33	29	2
2	29	3
34	30	0
2	30	1
35	30	2
2	30	3
36	31	0
2	31	0
37	31	1
2	31	2
38	31	3
2	32	0
39	32	1
2	32	1
40	32	2
2	32	3
41	33	0
2	33	1
42	33	1
2	33	2
43	33	3
2	34	0
44	34	1
2	34	1
45	34	2
2	34	3
46	35	0
2	35	0
47	35	1
2	35	2
48	35	3
2	35	3
49	36	0
2	36	1
50	36	2
2	36	2
51	36	3
2	37	0
52	37	0
2	37	1
53	37	2

27 In.Sq.

2	27	1
28	27	2
2	27	3
29	28	0
2	28	1
30	28	2
2	28	3
31	29	0
2	29	1

32	29	2
2	29	2
33	29	3
2	30	0
34	30	1
2	30	2
35	30	3
2	31	0
36	31	1
2	31	2
37	31	2
2	31	3
38	32	0
2	32	1
39	32	2
2	32	3
40	32	3
2	33	0
41	33	1
2	33	2
42	33	3
2	33	3
43	34	0
2	34	1
44	34	2
2	34	3
45	34	3
2	35	0
46	35	1
2	35	2
47	35	2
2	35	3
48	36	0
2	36	1
49	36	2
2	36	2
50	36	3
2	37	0
51	37	0
2	37	1
52	37	2
2	37	3
53	37	3
2	38	0
54	38	1

27½ Sqr.

28	27	3
2	28	0
29	28	1
2	28	2
30	28	3
2	29	0

31	29	1
2	29	2
32	29	3
2	29	3
33	30	0
2	30	1
34	30	2
2	30	3
35	31	0
2	31	1
36	31	2
2	31	3
37	32	0
2	32	0
38	32	1
2	32	2
39	32	3
2	33	0
40	33	1
2	33	1
41	33	2
2	33	3
42	34	0
2	34	1
43	34	2
2	34	2
44	34	3
2	35	0
45	35	1
2	35	1
46	35	2
2	35	3
47	36	0
2	36	1
48	36	1
2	36	2
49	36	3
2	37	0
50	37	0
2	37	1
51	37	2
2	37	3
52	37	3
2	38	0
53	38	1
2	38	1
54	38	2

28In.Sq.

2	28	1
29	28	2
2	28	3

30	29	0
2	29	1
31	29	2
2	29	3
32	30	0
2	30	1
33	30	2
2	30	3
34	30	3
2	31	0
35	31	1
2	31	2
36	31	3
2	32	0
37	32	1
2	32	2
38	32	2
2	32	3
39	33	0
2	33	1
40	33	2
2	33	3
41	34	0
2	34	0
42	34	1
2	34	2
43	34	3
2	35	0
44	35	0
2	35	1
45	35	2
2	35	3
46	36	0
2	36	0
47	36	1
2	36	2
48	36	3
2	36	3
49	37	0
2	37	1
50	37	2
2	37	2
51	37	3
2	38	0
52	38	1
2	38	1
53	38	2
2	38	3
54	39	0

29½ Sqr.

29	28	3
2	29	0

30	29	1	30	29	2	31	30	1
2	29	2	2	29	3	2	30	2
31	29	3	31	30	0	32	30	3
2	30	0	2	30	1	2	31	0
32	30	1	32	30	2	33	31	1
2	30	2	2	30	3	2	31	2
33	30	3	33	31	0	34	31	3
2	31	0	2	31	1	2	32	0
34	31	1	34	31	2	35	32	0
2	31	1	2	31	3	2	32	1
35	31	2	35	31	3	36	32	2
2	31	3	2	32	0	2	32	3
36	32	0	36	32	1	37	33	0
2	32	1	2	32	2	2	33	1
37	32	2	37	32	3	38	33	2
2	32	3	2	33	0	2	33	3
38	33	0	38	33	1	39	34	0
2	33	0	2	33	2	2	34	1
39	33	1	39	33	3	40	34	1
2	33	2	2	33	3	2	34	2
40	33	3	40	34	0	41	34	3
2	34	0	2	34	1	2	35	0
41	34	1	41	34	2	42	35	1
2	34	2	2	34	3	2	35	2
42	34	2	42	35	0	43	35	2
2	34	3	2	35	0	2	35	3
43	35	0	43	35	1	44	36	0
2	35	1	2	35	2	2	36	1
44	35	2	44	35	3	45	36	2
2	35	2	2	36	0	2	36	3
45	35	3	45	36	0	46	36	3
2	36	0	2	36	1	2	37	0
46	36	1	46	36	2	47	37	1
2	36	2	2	36	3	2	37	2
47	36	2	47	37	0	48	37	3
2	36	3	2	37	0	2	37	3
48	37	0	48	37	1	49	38	0
2	37	1	2	37	2	2	38	1
49	37	1	49	37	3	50	38	2
2	37	2	2	38	0	2	38	2
50	37	3	50	38	0	51	38	3
2	38	0	2	38	1	2	39	0
51	38	0	51	38	2	52	39	1
2	38	1	2	38	3	2	39	1
52	38	2	52	38	3	53	39	2
2	38	3	2	39	0	2	39	3
53	38	3	53	39	1	54	40	0
2	39	0	2	39	2			
54	39	1	54	39	2	30In. Sq.		
29In. Sq.			29½ Sqr.					
						2	30	1
			30	29	3	31	30	2
2	29	1	2	30	0	2	30	3

32	31	0
2	31	1
33	31	2
2	31	3
34	32	0
2	32	1
35	32	2
2	32	3
36	32	3
2	33	0
37	33	1
2	33	2
38	33	3
2	34	0
39	34	1
2	34	2
40	34	3
2	34	3
41	35	0
2	35	1
42	35	2
2	35	3
43	36	0
2	36	0
44	36	1
2	36	2
45	36	3
2	37	0
46	37	1
2	37	1
47	37	2
2	37	3
48	38	0
2	38	1
49	38	1
2	38	2
50	38	3
2	39	0
51	39	0
2	39	1
52	39	2
2	39	3
53	39	3
2	40	0
54	40	1

30½ Sqr.

31	30	3
2	31	0
32	31	1
2	31	2
33	31	3
2	32	0
34	32	1
2	32	2
35	32	3
2	33	0
36	33	1
2	33	1
37	33	2
2	33	3
38	34	0
2	34	1
39	34	2
2	34	3
40	35	0
2	35	1
41	35	1
2	35	2
42	35	3
2	36	0
43	36	1
2	36	2
44	36	3
2	36	3
45	37	0
2	37	1
46	37	2
2	37	3
47	37	3
2	38	0
48	38	1
2	38	2
49	38	3
2	38	3
50	39	0
2	39	1
51	39	2
2	39	2
52	39	3
2	40	0
53	40	1
2	40	2
54	40	2

31 In.Sq.

2	31	1
32	31	2
2	31	3
33	32	0
2	32	1
34	32	2
2	32	3
35	33	0
2	33	1
36	33	2
2	33	3
37	33	3
2	34	0
38	34	1
2	34	2
39	34	3
2	35	0
40	35	1
2	35	2
41	35	3
2	35	3
42	36	0
2	36	1
43	36	2
2	36	3
44	37	0
2	37	1
45	37	1
2	37	2
46	37	3
2	38	0
47	38	1
2	38	1
48	38	2
2	38	3
49	39	0
2	39	1
50	39	1
2	39	2
51	39	3
2	40	0
52	40	1
2	40	1
53	40	2
2	40	3
54	41	0

31½ Sqr.

32	31	3
2	32	0
33	32	1
2	32	2
34	32	3
2	33	0
35	33	1
2	33	2
36	33	3
2	34	0
37	34	1
2	34	1
38	34	2
2	34	3

39	35	0
2	35	1
40	35	2
2	35	3
41	36	0
	36	1
42	36	1
2	36	2
43	36	3
2	37	0
44	37	1
2	37	2
45	37	3
2	37	3
46	38	0
2	38	1
47	38	2
2	38	3
48	39	0
2	39	0
49	39	1
2	39	2
50	39	3
2	40	0
51	40	0
2	40	1
52	40	2
2	40	3
53	40	3
2	41	0
54	41	1

32 In.Sq.

2	32	1
33	32	2
2	32	3
34	33	0
2	33	1
35	33	2
2	33	3
36	34	0
2	34	1
37	34	2
2	34	2
38	34	3
2	35	1
39	35	2
2	35	3
40	35	3
2	36	0
41	36	1
2	36	3

42	36	3
2	37	0
43	37	0
2	37	1
44	37	2
2	37	3
45	38	0
2	38	1
46	38	1
2	33	2
47	38	3
2	39	0
48	39	1
2	39	2
49	39	2
2	39	3
50	40	0
2	40	0
51	40	1
2	40	2
52	40	3
2	41	0
53	41	0
2	41	1
54	41	2

$32\frac{1}{2}$ Sqr.

33	32	3
2	33	0
34	33	1
2	33	2
35	33	3
2	34	0
36	34	1
2	34	2
37	34	3
2	35	0
38	35	1
2	35	2
39	35	2
2	35	3
40	36	0
2	36	1
41	36	2
2	36	3
42	37	0
2	37	1
43	37	2
2	37	2
44	37	3
2	38	0
45	38	1
2	38	2

46	38	[illegible]
2	38	[illegible]
47	39	0
2	39	1
48	39	2
2	39	[illegible]
49	40	0
2	40	0
50	40	1
2	40	2
51	40	3
2	41	0
52	41	0
2	41	1
53	41	2
2	41	3
54	42	0

33 In.Sq.

2	33	1
34	33	2
2	33	3
35	34	0
2	34	1
36	34	2
2	34	3
37	35	0
2	25	1
38	35	2
2	35	3
39	35	3
2	36	0
40	36	1
2	36	2
41	36	3
2	37	0
42	37	1
2	37	2
43	37	3
2	38	0
44	38	0
2	38	1
45	38	2
2	38	2
46	38	3
2	39	0
47	39	1
2	39	2
48	39	3
2	39	3
49	40	0
2	40	1

50	40	2
2	40	3
51	40	3
2	41	0
52	41	1
2	41	1
53	41	2
2	41	3
54	42	0

33½ Sqr.

34	33	3
2	34	0
35	34	1
2	34	2
36	34	3
2	35	0
37	35	1
2	35	2
38	35	3
2	36	0
39	36	1
2	36	2
40	36	2
2	36	3
41	37	0
2	37	1
42	37	2
2	37	3
43	38	0
2	38	1
44	38	2
2	38	2
45	38	3
2	39	0
46	39	1
2	39	2
47	39	3
2	40	0
48	40	0
2	40	1
49	40	2
2	40	3
50	41	0
2	41	1
51	41	1
2	41	2
52	41	3
2	42	0
53	42	1
2	42	1
54	42	2

34 In. Sq.

2	34	1
35	34	2
2	34	3
36	35	0
2	35	1
37	35	2
2	35	2
38	35	3
2	36	0
39	36	1
2	36	2
40	36	3
2	37	0
41	37	1
2	37	2
42	37	3
2	38	0
43	38	0
2	38	1
44	38	2
2	38	3
45	39	0
2	39	1
46	39	2
2	39	3
47	40	0
2	40	1
48	40	2
2	40	2
49	40	3
2	41	0
50	41	1
2	41	2
51	41	3
2	41	3
52	42	0
2	42	1
53	42	2
2	42	3
54	42	3

34½ Sqr.

35	34	3
2	35	0
36	35	1
2	35	2
37	35	3
2	36	0
38	36	1
2	36	2
39	36	3
2	37	0
40	37	1
2	37	2
41	37	2
2	37	3
42	38	0
2	38	1
43	38	2
2	38	3
44	39	0
2	39	1
45	39	2
2	39	2
46	39	3
2	40	0
47	40	1
2	40	2
48	40	3
2	41	0
49	41	0
2	41	1
50	41	2
2	41	3
51	42	0
2	42	1
52	42	1
2	42	2
53	42	3
2	43	0
54	43	1

35 In.Sq.

2	35	1
36	35	2
2	35	3
37	36	0
2	36	1
38	36	2
2	36	3
39	37	0
2	37	1
40	37	2
2	37	3
41	38	0
2	38	0
42	38	1
2	38	2
43	38	3
2	39	0
44	39	1
2	39	2
45	39	3
2	40	0
46	40	0
2	40	1

47	40	2
2	40	3
48	41	0
2	41	1
49	41	2
2	41	2
50	41	3
2	42	0
51	42	1
2	42	2
52	42	3
2	42	3
53	43	0
2	43	1
54	43	2

35½ Sqr.

36	35	3
2	36	0
37	36	1
2	36	2
38	36	3
2	37	0
39	37	1
2	37	2
40	37	3
2	38	0
41	38	1
2	38	2
42	38	2
2	38	3
43	39	0
2	39	1
44	39	2
2	39	3
45	40	0
2	40	1
46	40	2
2	40	2
47	40	3
2	41	0
48	41	1
2	41	2
49	41	3
2	42	0
50	42	1
2	42	1
51	42	2
2	42	3
52	43	0
2	43	1
53	43	1
2	43	2
54	43	3

36 In.Sq.

2	36	1
37	36	2
2	36	3
38	37	0
2	37	1
39	37	2
2	37	3
40	38	0
2	38	1
41	38	2
2	38	3
42	39	0
2	39	0
43	39	1
2	39	2
44	39	3
2	40	0
45	40	1
2	40	2
46	40	3
2	41	0
47	41	1
2	41	1
48	41	2
2	41	3
49	42	0
2	42	1
50	42	2
2	42	3
51	42	3
2	43	0
52	43	1
2	43	2
53	43	3
2	44	0
54	44	0

36½ Sqr.

37	36	3
2	37	0
38	37	1
2	37	2
39	37	3
2	38	0
40	38	1
2	38	2
41	38	3
2	39	0
42	39	1
2	39	2
43	39	2
2	39	3
44	40	0
2	40	1
45	40	2
2	40	3
46	41	0
2	41	1
47	41	2
2	41	3
48	41	3
2	42	0
49	42	1
2	42	2
50	42	3
2	43	0
51	43	1
2	43	1
52	43	2
2	43	3
53	44	0
2	44	0
54	44	1

37 In.Sq.

2	37	1
38	37	2
2	37	3
39	38	0
2	38	1
40	38	2
2	38	3
41	39	0
2	39	1
42	39	2
2	39	3
43	40	0
2	40	0
44	40	1
2	40	2
45	40	3
2	41	0
46	41	1
2	41	2
47	41	3
2	42	0
48	42	1
2	42	1
49	42	2
2	42	3
50	43	0
2	43	1
51	43	2
2	43	3
52	43	3
2	44	0

53	44	1
2	44	2
54	44	2
2	44	3

37½ Sqr.

38	37	3
2	38	0
39	38	1
2	38	2
40	38	3
2	39	0
41	39	1
2	39	2
42	39	3
2	40	0
43	40	1
2	40	2
44	40	3
2	40	3
45	41	0
2	41	1
46	41	2
2	41	3
47	42	0
2	42	1
48	42	2
2	42	3
49	42	3
2	43	0
50	43	1
2	43	2
51	43	3
2	44	0
52	44	1
2	44	1
53	44	2
2	44	3
54	45	0

38 In Sq.

2	38	1
39	38	2
2	38	3
40	39	0
2	39	1
41	39	2
2	39	3
42	40	0
2	40	1
43	40	2
2	40	3
44	41	0
2	41	0
45	41	1
2	41	2
46	41	3
2	42	0
47	42	1
2	42	1
48	42	2
2	42	3
49	43	0
2	43	1
50	43	2
2	43	3
51	44	0
2	44	0
52	44	1
2	44	2
53	44	3
2	45	0
54	45	1

38½ Sqr.

39	38	3
2	39	0
40	39	1
2	39	2
41	39	3
2	40	0
42	40	1
2	40	2
43	40	3
2	41	0
44	41	1
2	41	2
45	41	2
2	41	3
46	42	0
2	42	1
47	42	2
2	42	3
48	43	0
2	43	1
49	43	2
2	43	3
50	43	3
2	44	0
51	44	1
2	44	2
52	44	3
2	45	0
53	45	1
2	45	1
54	45	2

39 In. Sq.

2	39	1
40	39	2
2	39	3
41	40	0
2	40	1
42	40	2
2	40	3
43	41	0
2	41	1
44	41	2
2	41	3
45	42	0
2	42	0
46	42	1
2	42	2
47	42	3
2	43	0
48	43	1
2	43	2
49	43	3
2	44	0
50	44	1
2	44	1
51	44	2
2	44	3
52	45	0
2	45	1
53	45	2
2	45	3
54	46	0

39½ Sqr.

40	39	3
2	40	0
41	40	1
2	40	2
42	40	3
2	41	0
43	41	1
2	41	2
44	41	3
2	42	0
45	42	1
2	42	2
46	42	3
2	42	3
47	43	0
2	43	1
48	43	2
2	43	3
49	44	0
2	44	1

50	44	2
2	44	3
51	45	0
2	45	0
52	45	1
2	45	2
53	45	3
2	46	0
54	46	1

40 In. Sq.

2	40	1
41	40	2
2	40	3
42	41	0
2	41	1
43	41	2
2	41	3
44	42	0
2	42	1
45	42	2
2	42	3
46	43	0
2	43	1
47	43	1
2	43	2
48	43	3
2	44	0
49	44	1
2	44	2
50	44	3
2	45	0
51	45	1
2	45	2
52	45	2
2	45	3
53	46	0
2	46	1
54	46	2

40½ Sqr.

41	40	3
2	41	0
42	41	1
2	41	2
43	41	3
2	42	0
44	42	1
2	41	2
45	42	3
2	43	0
46	43	1
2	43	2

47	43	2
2	43	3
48	44	0
2	44	1
49	44	2
2	44	3
50	45	0
2	45	1
51	45	2
2	45	3
52	46	0
2	46	0
53	46	1
2	46	2
54	46	3

41 In. Sq.

2	41	1
42	41	2
2	41	3
43	42	0
2	42	1
44	42	2
2	42	3
45	43	0
2	43	1
46	43	2
2	43	3
47	44	0
2	44	1
48	44	1
2	44	2
49	44	3
2	45	0
50	45	1
2	45	2
51	45	3
2	46	0
52	46	1
2	46	2
53	46	2
2	46	3
54	47	0

41½ Sqr.

42	41	3
2	42	0
43	42	1
2	42	2
44	42	3
2	43	0
45	43	1
2	43	2

46	43	3
2	44	0
47	44	1
2	44	2
48	44	3
2	44	3
49	45	0
2	45	1
50	45	2
2	45	3
51	46	0
2	46	1
52	46	2
2	46	3
53	47	0
2	47	0
54	47	1

42 In. Sq.

2	42	1
43	42	2
2	42	3
44	43	0
2	43	1
45	43	2
2	43	3
46	44	0
2	44	1
47	44	2
2	44	3
48	45	0
2	45	1
49	45	1
2	45	2
50	45	3
2	46	0
51	46	1
2	46	2
52	46	3
2	47	0
53	47	1
2	47	2
54	47	2

42½ Sqr.

43	42	3
2	43	0
44	43	1
2	43	2
45	43	3
2	44	0
46	44	1
2	44	2

47	44	3
2	45	0
48	45	1
2	45	2
49	45	2
2	45	3
50	46	0
2	46	1
51	46	2
2	46	3
52	47	0
2	47	1
53	47	2
2	47	3
54	48	0

43 In.Sq.

2	43	1
44	43	2
2	43	3
45	44	0
2	44	1
46	44	2
2	44	3
47	45	0
2	45	1
48	45	2
2	45	3
49	46	0
2	46	1
50	46	1
2	46	2
51	46	3
2	47	0
52	47	1
2	47	2
53	47	3
2	48	0
54	48	1

43½ Sqr.

44	43	3
2	44	0
45	44	1
2	44	2
46	44	3
2	45	0
47	45	1
2	45	2
48	45	3
2	46	0
49	46	1
2	46	2

50	46	3
2	46	3
51	47	0
2	47	1
52	47	2
2	47	3
53	48	0
2	48	1
54	48	2

44 In.Sq.

2	44	1
45	44	2
2	44	3
46	45	0
2	45	1
47	45	2
2	45	3
48	46	0
2	46	1
49	46	2
2	46	3
50	47	0
2	47	1
51	47	1
2	47	2
52	47	3
2	48	0
53	48	1
2	48	2
54	48	3

44½ Sqr.

45	44	3
2	45	0
46	45	1
2	45	2
47	45	3
2	46	0
48	46	1
2	46	2
49	46	3
2	47	0
50	47	1
2	47	2
51	47	3
2	47	3
52	48	0
2	48	1
53	48	2
2	48	3
54	49	0

45 In.Sq.

2	45	1
46	45	2
2	45	3
47	46	0
2	46	1
48	46	2
2	46	3
49	47	0
2	47	1
50	47	2
2	47	3
51	48	0
2	48	1
52	48	1
2	48	2
53	48	3
2	49	0
54	49	1

45½ Sqr.

46	45	3
2	46	0
47	46	1
2	46	2
48	46	3
2	47	0
49	47	1
2	47	2
50	47	3
2	48	0
51	48	1
2	48	2
52	48	3
2	48	3
53	49	0
2	49	1
54	49	2

46 In.Sq

2	46	1
47	46	2
2	46	3
48	47	0
2	47	1
49	47	2
2	47	3
50	48	0
2	48	1
51	48	2
2	48	3
52	49	0
2	49	0

53	49	1
2	49	2
54	49	3

46½ Sqr.

47	46	3
2	47	0
48	47	1
2	47	2
49	47	3
2	48	0
50	48	1
2	48	2
51	48	3
2	49	0
52	49	1
2	49	2
53	49	3
2	49	3
54	50	0

47 In. Sq.

2	47	1
48	47	2
2	47	3
49	48	0
2	48	1
50	48	2
2	48	3
51	49	0
2	49	1
52	49	2
2	49	3
53	50	0
2	50	1
54	50	2

47½ Sqr.

48	47	3
2	48	0
49	48	1
2	48	2
50	48	3
2	49	0
51	49	1
2	49	2
52	49	3
2	50	0
53	50	1
2	50	2
54	50	3

48 In. Sq.

2	48	1
49	48	2
2	48	3
50	49	0
2	49	1
51	49	2
2	49	3
52	50	0
2	50	1
53	50	2
2	50	3
54	51	0

48½ Sqr.

49	48	3
2	49	0
50	49	1
2	49	2
51	49	3
2	50	0
52	50	1
2	50	2
53	50	3
2	51	0
54	51	1

49 In. Sq.

2	49	1
50	49	2
2	49	3
51	50	0
2	50	1
52	50	2
2	50	3
53	51	0
2	51	1
54	51	2

49½ Sqr.

50	49	3
2	50	0
51	50	1
2	50	2
52	50	3
2	51	0
53	51	1
2	51	2
54	51	3

50 In. Sq.

2	50	1
51	50	2
2	50	3
52	51	0
2	51	1
53	51	2
2	51	3
54	52	0

50½ Sqr.

51	50	3
2	51	0
52	51	1
2	51	2
53	51	3
2	52	0
54	52	1

51 In. Sq.

2	51	1
52	51	2
2	51	3
53	52	0
2	52	1
54	52	2

51½ Sqr.

52	51	3
2	52	0
53	52	1
2	52	2
54	52	3

52 In. Sq.

2	52	1
53	52	2
2	52	3
54	53	0

52½ Sqr.

53	52	3
2	53	0
54	53	1

53 In. Sq.

2	53	1
54	53	2

53½ Sqr.

54	53	3

54 In. Sq.

A NEW

TABLE

OF

SOLID MEASURE,

Ready caſt up,

Whereby the Solid Content, and conſequently the value of any Piece or Quantity of Timber, Stone, &c. may be found, AT SIGHT, from 2 Inches to 54 Inches, the Side of the Square, (or one Fourth of the Girt,) and and from one quarter of a foot to 45 Feet the Length:

And therefore, by Addition only, may ſerve to any greater Breadth, if there ſhould ever be Occaſion.

☞ *See this Table explained on Page* XXV.

Ft. long.	Side 2 In. Ft.	In.	Pa.	Ft. long.	Side 2 $\frac{1}{4}$ Ft.	In.	Pa.
1	0	0	4	1	0	0	5
2	0	0	8	2	0	0	10
3	0	1	0	3	0	1	3
4	0	1	4	4	0	1	8
5	0	1	8	5	0	2	1
6	0	2	0	6	0	2	6
7	0	2	4	7	0	2	11
8	0	2	8	8	0	3	4
9	0	3	0	9	0	3	9
10	0	3	4	10	0	4	2
11	0	3	8	11	0	4	7
12	0	4	0	12	0	5	0
13	0	4	4	13	0	5	5
14	0	4	8	14	0	5	10
15	0	5	0	15	0	6	3
16	0	5	4	16	0	6	9
17	0	5	8	17	0	7	2
18	0	6	0	18	0	7	7
19	0	6	4	19	0	8	0
20	0	6	8	20	0	8	5
21	0	7	0	21	0	8	10
22	0	7	4	22	0	9	3
23	0	7	8	23	0	9	8
24	0	8	0	24	0	10	1
25	0	8	4	25	0	10	6
26	0	8	8	26	0	10	11
27	0	9	0	27	0	11	4
28	0	9	4	28	0	11	9
29	0	9	8	29	1	0	2
30	0	10	0	30	1	0	7
31	0	10	4	31	1	1	0
32	0	10	8	32	1	1	6
33	0	11	0	33	1	1	11
34	0	11	4	34	1	2	4
35	0	11	8	35	1	2	9
36	1	0	0	36	1	3	2
37	1	0	4	37	1	3	7
38	1	0	8	38	1	4	0
39	1	1	0	39	1	4	5
40	1	1	4	40	1	4	10
41	1	1	8	41	1	5	3
42	1	2	0	42	1	5	8
43	1	2	4	43	1	6	1
44	1	2	8	44	1	6	6
45	1	3	0	45	1	6	11

Quarters of a Foot.	Ft.	In.	Pa.	S.	Quarters of a Foot.	Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	0	1	0	$\frac{1}{4}$	0	0	1	3
$\frac{1}{2}$	0	0	2	0	$\frac{1}{2}$	0	0	2	6
$\frac{3}{4}$	0	0	3	0	$\frac{3}{4}$	0	0	3	9

Ft. long.	Side 2 ½		
	Ft.	In.	Pa.
1	0	0	6
2	0	1	0
3	0	1	6
4	0	2	1
5	0	2	7
6	0	3	1
7	0	3	7
8	0	4	2
9	0	4	8
10	0	5	2
11	0	5	8
12	0	6	3
13	0	6	9
14	0	7	3
15	0	7	9
16	0	8	4
17	0	8	10
18	0	9	4
19	0	9	10
20	0	10	5
21	0	10	11
22	0	11	5
23	0	11	11
24	1	0	6
25	1	1	0
26	1	1	6
27	1	2	0
28	1	2	7
29	1	3	1
30	1	3	7
31	1	4	1
32	1	4	8
33	1	5	2
34	1	5	8
35	1	6	2
36	1	6	9
37	1	7	3
38	1	7	9
39	1	8	3
40	1	8	10
41	1	9	4
42	1	9	10
43	1	10	4
44	1	10	11
45	1	11	5

Quarters of a Foot

	Ft.	In.	Pa.	S.
¼	0	0	1	6
½	0	0	3	0
¾	0	0	4	6

Ft. long.	Side 2 ¾		
	Ft.	In.	Pa.
1	0	0	7
2	0	1	3
3	0	1	10
4	0	2	6
5	0	3	1
6	0	3	9
7	0	4	4
8	0	5	0
9	0	5	8
10	0	6	3
11	0	6	11
12	0	7	6
13	0	8	2
14	0	8	9
15	0	9	5
16	0	10	1
17	0	10	8
18	0	11	4
19	0	11	1
20	1	0	7
21	1	1	2
22	1	1	10
23	1	2	5
24	1	3	1
25	1	3	9
26	1	4	4
27	1	5	0
28	1	5	7
29	1	6	3
30	1	6	10
31	1	7	6
32	1	8	2
33	1	8	9
34	1	9	5
35	1	10	0
36	1	10	8
37	1	11	3
38	1	11	11
39	2	0	6
40	2	1	2
41	2	1	10
42	2	2	5
43	2	3	1
44	2	3	8
45	2	4	4

Quarters of a Foot·

	Ft.	In.	Pa.	S.
¼	0	0	1	9
½	0	0	3	6
¾	0	0	5	3

Ft. long.	Side 3 In.		
	Ft.	In.	Pa.
1	0	0	9
2	0	1	6
3	0	2	3
4	0	3	0
5	0	3	9
6	0	4	6
7	0	5	3
8	0	6	0
9	0	6	9
10	0	7	6
11	0	8	3
12	0	9	0
13	0	9	9
14	0	10	6
15	0	11	3
16	1	0	0
17	1	0	9
18	1	1	6
19	1	2	3
20	1	3	0
21	1	3	9
22	1	4	6
23	1	5	3
24	1	6	0
25	1	6	9
26	1	7	6
27	1	8	3
28	1	9	0
29	1	9	9
30	1	10	6
31	1	11	3
32	2	0	0
33	2	0	9
34	2	1	6
35	2	2	3
36	2	3	0
37	2	3	9
38	2	4	6
39	2	5	3
40	2	6	0
41	2	6	9
42	2	7	6
43	2	8	3
44	2	9	0
45	2	9	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	0	2	3
½	0	0	4	6
¾	0	0	6	9

Ft. long.	Side 3 ¼		
	Ft.	In.	Pa.
1	0	0	10
2	0	1	9
3	0	2	7
4	0	3	6
5	0	4	4
6	0	5	3
7	0	6	1
8	0	7	0
9	0	7	11
10	0	8	9
11	0	9	8
12	0	10	6
13	0	11	5
14	1	0	3
15	1	1	2
16	1	2	1
17	1	2	11
18	1	3	10
19	1	4	8
20	1	5	7
21	1	6	5
22	1	7	4
23	1	8	2
24	1	9	1
25	1	10	0
26	1	10	10
27	1	11	9
28	2	0	7
29	2	1	6
30	2	2	4
31	2	3	3
32	2	4	2
33	2	5	0
34	2	5	11
35	2	6	9
36	2	7	8
37	2	8	6
38	2	9	5
39	2	10	3
40	2	11	2
41	3	0	1
42	3	0	11
43	3	1	10
44	3	2	8
45	3	3	7

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	0	2	6
½	0	0	5	0
¾	0	0	7	6

Ft. long.	Side 3 ½		
	Ft.	In.	Pa.
1	0	1	0
2	0	2	0
3	0	3	0
4	0	4	1
5	0	5	1
6	0	6	1
7	0	7	1
8	0	8	2
9	0	9	2
10	0	10	2
11	0	11	2
12	1	0	3
13	1	1	3
14	1	2	3
15	1	3	3
16	1	4	4
17	1	5	4
18	1	6	4
19	1	7	4
20	1	8	5
21	1	9	5
22	1	10	5
23	1	11	5
24	2	0	6
25	2	1	6
26	2	2	6
27	2	3	6
28	2	4	7
29	2	5	7
30	2	6	7
31	2	7	7
32	2	8	8
33	2	9	8
34	2	10	8
35	2	11	8
36	3	0	9
37	3	1	9
38	3	2	9
39	3	3	9
40	3	4	10
41	3	5	10
42	3	6	10
43	3	7	10
44	3	8	11
45	3	9	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	0	3	0
½	0	0	6	0
¾	0	0	9	0

Ft. long.	Side 3 ¾		
	Ft.	In.	Pa.
1	0	1	2
2	0	2	4
3	0	3	6
4	0	4	8
5	0	5	10
6	0	7	0
7	0	8	2
8	0	9	4
9	0	10	6
10	0	11	8
11	1	0	10
12	1	2	0
13	1	3	2
14	1	4	4
15	1	5	6
16	1	6	9
17	1	7	11
18	1	9	1
19	1	10	3
20	1	11	5
21	2	0	7
22	2	1	9
23	2	2	11
24	2	4	1
25	2	5	3
26	2	6	5
27	2	7	7
28	2	8	9
29	2	9	11
30	2	11	1
31	3	0	3
32	3	1	6
33	3	2	8
34	3	3	10
35	3	5	0
36	3	6	2
37	3	7	4
38	3	8	6
39	3	9	8
40	3	10	10
41	4	0	0
42	4	1	2
43	4	2	4
44	4	3	6
45	4	4	8

Quarters of a Foot.

	Ft.	In	Pa.	S.
¼	0	0	3	6
½	0	0	7	0
¾	0	0	10	6

Ft.long.	Side 4 In.		
	Ft.	In.	Pa.
1	0	1	4
2	0	2	8
3	0	4	0
4	0	5	4
5	0	6	8
6	0	8	0
7	0	9	4
8	0	10	8
9	1	0	0
10	1	1	4
11	1	2	8
12	1	4	0
13	1	5	4
14	1	6	8
15	1	8	0
16	1	9	4
17	1	10	8
18	2	0	0
19	2	1	4
20	2	2	8
21	2	4	0
22	2	5	4
23	2	6	8
24	2	8	0
25	2	9	4
26	2	10	8
27	3	0	0
28	3	1	4
29	3	2	8
30	3	4	0
31	3	5	4
32	3	6	8
33	3	8	0
34	3	9	4
35	3	10	8
36	4	0	0
37	4	1	4
38	4	2	8
39	4	4	0
40	4	5	4
41	4	6	8
42	4	8	0
43	4	9	4
44	4	10	8
45	5	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	0	4	0
½	0	0	8	0
¾	0	1	0	0

Ft.long.	Side 4 ¼		
	Ft.	In.	Pa.
1	0	1	6
2	0	3	0
3	0	4	6
4	0	6	0
5	0	7	6
6	0	9	0
7	0	10	6
8	1	0	0
9	1	1	6
10	1	3	0
11	1	4	6
12	1	6	0
13	1	7	6
14	1	9	0
15	1	10	6
16	2	0	1
17	2	1	7
18	2	3	1
19	2	4	7
20	2	6	1
21	2	7	7
22	2	9	1
23	2	10	7
24	3	0	1
25	3	1	7
26	3	3	1
27	3	4	7
28	3	6	1
29	3	7	7
30	3	9	1
31	3	10	7
32	4	0	2
33	4	1	8
34	4	3	2
35	4	4	8
36	4	6	2
37	4	7	8
38	4	9	2
39	4	10	8
40	5	0	2
41	5	1	8
42	5	3	2
43	5	4	8
44	5	6	2
45	5	7	8

Quarters of a Foot.

	Ft.	In.	Pa.	S
¼	0	0	4	6
½	0	0	9	0
¾	0	1	1	6

Ft. long.	Side 4 ½			Ft. long.	Side 4 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	8	1	0	1	10
2	0	3	4	2	0	3	9
3	0	5	0	3	0	5	7
4	0	6	9	4	0	7	6
5	0	8	5	5	0	9	4
6	0	10	1	6	0	11	3
7	0	11	9	7	1	1	1
8	1	1	6	8	1	3	0
9	1	3	2	9	1	4	11
10	1	4	10	10	1	6	9
11	1	6	6	11	1	8	8
12	1	8	3	12	1	10	6
13	1	9	11	13	2	0	5
14	1	11	7	14	2	2	3
15	2	1	3	15	2	4	2
16	2	3	0	16	2	6	1
17	2	4	8	17	2	7	11
18	2	6	4	18	2	9	10
19	2	8	0	19	2	11	8
20	2	9	9	20	3	1	7
21	2	11	5	21	3	3	5
22	3	1	1	22	3	5	4
23	3	2	9	23	3	7	2
24	3	4	6	24	3	9	1
25	3	6	2	25	3	11	0
26	3	7	10	26	4	0	10
27	3	9	6	27	4	2	9
28	3	11	3	28	4	4	7
29	4	0	11	29	4	6	6
30	4	2	7	30	4	8	4
31	4	4	3	31	4	10	3
32	4	6	0	32	5	0	2
33	4	7	8	33	5	2	0
34	4	9	4	34	5	3	11
35	4	11	0	35	5	5	9
36	5	0	9	36	5	7	8
37	5	2	5	37	5	9	6
38	5	4	1	38	5	11	5
39	5	5	9	39	6	1	3
40	5	7	6	40	6	3	2
41	5	9	2	41	6	5	1
42	5	10	10	42	6	6	11
43	6	0	6	43	6	8	10
44	6	2	3	44	6	10	8
45	6	3	11	45	7	0	7

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	0	5	0	¼	0	0	5	6
½	0	0	10	0	½	0	0	11	0
¾	0	1	3	0	¾	0	1	4	6

Ft. long.	Side 5 In.			Ft. long.	Side 5 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	1	1	0	2	3
2	0	4	2	2	0	4	7
3	0	6	3	3	0	6	10
4	0	8	4	4	0	9	2
5	0	10	5	5	0	11	5
6	1	0	6	6	1	1	9
7	1	2	7	7	1	4	0
8	1	4	8	8	1	6	4
9	1	6	9	9	1	8	8
10	1	8	10	10	1	10	11
11	1	10	11	11	2	1	3
12	2	1	0	12	2	3	6
13	2	3	1	13	2	5	10
14	2	5	2	14	2	8	1
15	2	7	3	15	2	10	5
16	2	9	4	16	3	0	9
17	2	11	5	17	3	3	0
18	3	1	6	18	3	5	4
19	3	3	7	19	3	7	7
20	3	5	8	20	3	9	11
21	3	7	9	21	4	0	2
22	3	9	10	22	4	2	6
23	3	11	11	23	4	4	9
24	4	2	0	24	4	7	1
25	4	4	1	25	4	9	5
26	4	6	2	26	4	11	8
27	4	8	3	27	5	2	0
28	4	10	4	28	5	4	3
29	5	0	5	29	5	6	7
30	5	2	6	30	5	8	10
31	5	4	7	31	5	11	2
32	5	6	8	32	6	1	6
33	5	8	9	33	6	3	9
34	5	10	10	34	6	6	1
35	6	0	11	35	6	8	4
36	6	3	0	36	6	10	8
37	6	5	1	37	7	0	11
38	6	7	2	38	7	3	3
39	6	9	3	39	7	5	6
40	6	11	4	40	7	7	10
41	7	1	5	41	7	10	2
42	7	3	6	42	8	0	5
43	7	5	7	43	8	2	9
44	7	7	8	44	8	5	0
45	7	9	9	45	8	7	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	0	6	3	¼	0	0	6	9
½	0	1	0	6	½	0	1	1	6
¾	0	1	6	9	¾	0	1	8	3

Ft. long.	Side 5 ½		
	Ft.	In.	Pa.
1	0	2	6
2	0	5	0
3	0	7	6
4	0	10	1
5	1	0	7
6	1	3	1
7	1	5	7
8	1	8	2
9	1	10	8
10	2	1	2
11	2	3	8
12	2	6	3
13	2	8	9
14	2	11	3
15	3	1	9
16	3	4	4
17	3	6	10
18	3	9	4
19	3	11	10
20	4	2	5
21	4	4	11
22	4	7	5
23	4	9	11
24	5	0	6
25	5	3	0
26	5	5	6
27	5	8	0
28	5	10	7
29	6	1	1
30	6	3	7
31	6	6	1
32	6	8	8
33	6	11	2
34	7	1	8
35	7	4	2
36	7	6	9
37	7	9	3
38	7	11	9
39	8	2	3
40	8	4	10
41	8	7	4
42	8	9	10
43	9	0	4
44	9	2	11
45	9	5	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	0	7	6
½	0	1	3	0
¾	0	1	10	6

Ft. long.	Side 5 ¾		
	Ft.	In.	Pa.
1	0	2	9
2	0	5	6
3	0	8	3
4	0	11	0
5	1	1	9
6	1	4	6
7	1	7	3
8	1	10	0
9	2	0	9
10	2	3	6
11	2	6	3
12	2	9	0
13	2	11	9
14	3	2	6
15	3	5	3
16	3	8	1
17	3	10	10
18	4	1	7
19	4	4	4
20	4	7	1
21	4	9	10
22	5	0	7
23	5	3	4
24	5	6	1
25	5	8	10
26	5	11	7
27	6	2	4
28	6	5	1
29	6	7	10
30	6	10	7
31	7	1	4
32	7	4	2
33	7	6	11
34	7	9	8
35	8	0	5
36	8	3	2
37	8	5	11
38	8	8	8
39	8	11	5
40	9	2	2
41	9	4	11
42	9	7	8
43	9	10	5
44	10	1	2
45	10	3	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	0	8	3
½	0	1	4	6
¾	0	2	0	9

Ft. long.	Side 6 In.		
	Ft.	In.	Pa.
1	0	3	0
2	0	6	0
3	0	9	0
4	1	0	0
5	1	3	0
6	1	6	0
7	1	9	0
8	2	0	0
9	2	3	0
10	2	6	0
11	2	9	0
12	3	0	0
13	3	3	0
14	3	6	0
15	3	9	0
16	4	0	0
17	4	3	0
18	4	6	0
19	4	9	0
20	5	0	0
21	5	3	0
22	5	6	0
23	5	9	0
24	6	0	0
25	6	3	0
26	6	6	0
27	6	9	0
28	7	0	0
29	7	3	0
30	7	6	0
31	7	9	0
32	8	0	0
33	8	3	0
34	8	6	0
35	8	9	0
36	9	0	0
37	9	3	0
38	9	6	0
39	9	9	0
40	10	0	0
41	10	3	0
42	10	6	0
43	10	9	0
44	11	0	0
45	11	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	0	9	0
1/2	0	1	6	0
3/4	0	2	3	0

Ft. long.	Side 6 1/4		
	Ft.	In.	Pa.
1	0	3	3
2	0	6	6
3	0	9	9
4	1	1	0
5	1	4	3
6	1	7	6
7	1	10	9
8	2	2	0
9	2	5	3
10	2	8	6
11	2	11	9
12	3	3	0
13	3	6	3
14	3	9	6
15	4	0	9
16	4	4	1
17	4	7	4
18	4	10	7
19	5	1	10
20	5	5	1
21	5	8	4
22	5	11	7
23	6	2	10
24	6	6	1
25	6	9	4
26	7	0	7
27	7	3	10
28	7	7	1
29	7	10	4
30	8	1	7
31	8	4	10
32	8	8	2
33	8	11	5
34	9	2	8
35	9	5	11
36	9	9	2
37	10	0	5
38	10	3	8
39	10	6	11
40	10	10	2
41	11	1	5
42	11	4	8
43	11	7	11
44	11	11	2
45	12	2	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	0	9	9
1/2	0	1	7	6
3/4	0	2	5	3

Ft. long.	Side 6 ½			Ft. long.	Side 6 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	6	1	0	3	9
2	0	7	0	2	0	7	7
3	0	10	6	3	0	11	4
4	1	2	1	4	1	3	2
5	1	5	7	5	1	6	11
6	1	9	1	6	1	10	9
7	2	0	7	7	2	2	6
8	2	4	2	8	2	6	4
9	2	7	8	9	2	10	2
10	2	11	2	10	3	1	11
11	3	2	8	11	3	5	9
12	3	6	3	12	3	9	6
13	3	9	9	13	4	1	4
14	4	1	3	14	4	5	1
15	4	4	9	15	4	8	11
16	4	8	4	16	5	0	9
17	4	11	10	17	5	4	6
18	5	3	4	18	5	8	4
19	5	6	10	19	6	0	1
20	5	10	5	20	6	3	11
21	6	1	11	21	6	7	8
22	6	5	5	22	6	11	6
23	6	8	11	23	7	3	3
24	7	0	6	24	7	7	1
25	7	4	0	25	7	10	11
26	7	7	6	26	8	2	8
27	7	11	0	27	8	6	6
28	8	2	7	28	8	10	3
29	8	6	1	29	9	2	1
30	8	9	7	30	9	5	10
31	9	1	1	31	9	9	8
32	9	4	8	32	10	1	6
33	9	8	2	33	10	5	3
34	9	11	8	34	10	9	1
35	10	3	2	35	11	0	10
36	10	6	9	36	11	4	8
37	10	10	3	37	11	8	5
38	11	1	9	38	12	0	3
39	11	5	3	39	12	4	0
40	11	8	10	40	12	7	10
41	12	0	4	41	12	11	8
42	12	3	10	42	13	3	5
43	12	7	4	43	13	7	3
44	12	10	11	44	13	11	0
45	13	2	5	45	14	2	10

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	0	10	6	¼	0	0	11	3
½	0	1	9	0	½	0	1	10	6
¾	0	2	7	6	¾	0	2	9	9

Ft. long.	Side 7 In.		
	Ft.	In.	Pa.
1	0	4	1
2	0	8	2
3	1	0	3
4	1	4	4
5	1	8	5
6	2	0	6
7	2	4	7
8	2	8	8
9	3	0	9
10	3	4	10
11	3	8	11
12	4	1	0
13	4	5	1
14	4	9	2
15	5	1	3
16	5	5	4
17	5	9	5
18	6	1	6
19	6	5	7
20	6	9	8
21	7	1	9
22	7	5	10
23	7	9	11
24	8	2	0
25	8	6	1
26	8	10	2
27	9	2	3
28	9	6	4
29	9	10	5
30	10	2	6
31	10	6	7
32	10	10	8
33	11	2	9
34	11	6	10
35	11	10	11
36	12	3	0
37	12	7	1
38	12	11	2
39	13	3	3
40	13	7	4
41	13	11	5
42	14	3	6
43	14	7	7
44	14	11	8
45	15	3	9

Quarters of a Foot.

	Ft.	In.	Pa	S.
$\frac{1}{4}$	0	1	0	3
$\frac{1}{2}$	0	2	0	6
$\frac{3}{4}$	0	3	0	2

Ft. long.	Side 7 $\frac{1}{4}$		
	Ft.	In.	Pa.
1	0	4	4
2	0	8	9
3	1	1	1
4	1	5	6
5	1	9	10
6	2	2	3
7	2	6	7
8	2	11	0
9	3	3	5
10	3	7	9
11	4	0	2
12	4	4	6
13	4	8	11
14	5	1	3
15	5	5	8
16	5	10	1
17	6	2	5
18	6	6	10
19	6	11	2
20	7	3	7
21	7	7	11
22	8	0	4
23	8	4	8
24	8	9	1
25	9	1	6
26	9	5	10
27	9	10	3
28	10	2	7
29	10	7	0
30	10	11	4
31	11	3	9
32	11	8	2
33	12	0	6
34	12	4	11
35	12	9	3
36	13	1	8
37	13	6	0
38	13	10	5
39	14	2	9
40	14	7	2
41	14	11	7
42	15	3	11
43	15	8	4
44	16	0	8
45	16	5	1

Quarters of a Foot.

	Ft.	In.	Pa.	S
$\frac{1}{4}$	0	1	1	0
$\frac{3}{4}$	0	2	2	0
$\frac{1}{2}$	0	3	3	0

Ft. long.	Side 7 ½			Ft. long.	Side 7 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	4	8	1	0	5	0
2	0	9	4	2	0	10	0
3	1	2	0	3	1	3	0
4	1	6	9	4	1	8	0
5	1	11	5	5	2	1	0
6	2	4	1	6	2	6	0
7	2	8	9	7	2	11	0
8	3	1	6	8	3	4	0
9	3	6	2	9	3	9	0
10	3	10	10	10	4	2	0
11	4	3	6	11	4	7	0
12	4	8	3	12	5	0	0
13	5	0	11	13	5	5	0
14	5	5	7	14	5	10	0
15	5	10	3	15	6	3	0
16	6	3	0	16	6	8	1
17	6	7	8	17	7	1	1
18	7	0	4	18	7	6	1
19	7	5	0	19	7	11	1
20	7	9	9	20	8	4	1
21	8	2	5	21	8	9	1
22	8	7	1	22	9	2	1
23	8	11	9	23	9	7	1
24	9	4	6	24	10	0	1
25	9	9	2	25	10	5	1
26	10	1	10	26	10	10	1
27	10	6	6	27	11	3	1
28	10	11	3	28	11	8	1
29	11	3	11	29	12	1	1
30	11	8	7	30	12	6	1
31	12	1	3	31	12	11	1
32	12	6	0	32	13	4	2
33	12	10	8	33	13	9	2
34	13	3	4	34	14	2	2
35	13	8	0	35	14	7	2
36	14	0	9	36	15	0	2
37	14	5	5	37	15	5	2
38	14	10	1	38	15	10	2
39	15	2	9	39	16	3	2
40	15	7	6	40	16	8	2
41	16	0	2	41	17	1	2
42	16	4	10	42	17	6	2
43	16	9	6	43	17	11	2
44	17	2	3	44	18	4	2
45	17	6	11	45	18	9	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	1	2	0	¼	0	1	3	0
½	0	2	4	0	½	0	3	6	0
¾	0	3	8	0	¾	0	3	9	0

Ft. long.	Side 8 In.			Ft. long.	Side 8 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	5	4	1	0	5	8
2	0	10	8	2	0	11	4
3	1	4	0	3	1	5	0
4	1	9	4	4	1	10	8
5	2	2	8	5	2	4	4
6	2	8	0	6	2	10	0
7	3	1	4	7	3	3	8
8	3	6	8	8	3	9	4
9	4	0	0	9	4	3	0
10	4	5	4	10	4	8	8
11	4	10	8	11	5	2	4
12	5	4	0	12	5	8	0
13	5	9	4	13	6	1	8
14	6	2	8	14	6	7	4
15	6	8	0	15	7	1	0
16	7	1	4	16	7	6	9
17	7	6	8	17	8	0	5
18	8	0	0	18	8	6	1
19	8	5	4	19	8	11	9
20	8	10	8	20	9	5	5
21	9	4	0	21	9	11	1
22	9	9	4	22	10	4	9
23	10	2	8	23	10	10	5
24	10	8	0	24	11	4	1
25	11	1	4	25	11	9	9
26	11	6	8	26	12	3	5
27	12	0	0	27	12	9	1
28	12	5	4	28	13	2	9
29	12	10	8	29	13	8	5
30	13	4	0	30	14	2	1
31	13	9	4	31	14	7	9
32	14	2	8	32	15	1	6
33	14	8	0	33	15	7	2
34	15	1	4	34	16	0	10
35	15	6	8	35	16	6	6
36	16	0	0	36	17	0	2
37	16	5	4	37	17	5	10
38	16	10	8	38	17	11	6
39	17	4	0	39	18	5	2
40	17	9	4	40	18	10	10
41	18	2	8	41	19	4	6
42	18	8	0	42	19	10	2
43	19	1	4	43	20	3	10
44	19	6	8	44	20	9	6
45	20	0	0	45	21	3	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	1	4	0	$\frac{1}{4}$	0	1	5	0
$\frac{1}{2}$	0	2	8	0	$\frac{1}{2}$	0	2	10	0
$\frac{3}{4}$	0	4	0	0	$\frac{3}{4}$	0	4	3	0

Ft. long.	Side 8 $\frac{1}{2}$ Ft.	In.	Pa.	Ft. long.	Side 8 $\frac{3}{4}$ Ft.	In.	Pa.
1	0	6	0	1	0	6	4
2	1	0	0	2	1	0	9
3	1	6	0	3	1	7	1
4	2	0	1	4	2	1	6
5	2	6	1	5	2	7	10
6	3	0	1	6	3	2	3
7	3	6	1	7	3	8	7
8	4	0	2	8	4	3	0
9	4	6	2	9	4	9	5
10	5	0	2	10	5	3	9
11	5	6	2	11	5	10	2
12	6	0	3	12	6	4	6
13	6	6	3	13	6	10	11
14	7	0	3	14	7	5	3
15	7	6	3	15	7	11	8
16	8	0	4	16	8	6	1
17	8	6	4	17	9	0	5
18	9	0	4	18	9	6	10
19	9	6	4	19	10	1	2
20	10	0	5	20	10	7	7
21	10	6	5	21	11	1	11
22	11	0	5	22	11	8	4
23	11	6	5	23	12	2	8
24	12	0	6	24	12	9	1
25	12	6	6	25	13	3	6
26	13	0	6	26	13	9	10
27	13	6	6	27	14	4	3
28	14	0	7	28	14	10	7
29	14	6	7	29	15	5	0
30	15	0	7	30	15	11	4
31	15	6	7	31	16	5	9
32	16	0	8	32	17	0	2
33	16	6	8	33	17	6	6
34	17	0	8	34	18	0	11
35	17	6	8	35	18	7	3
36	18	0	9	36	19	1	8
37	18	6	9	37	19	8	0
38	19	0	9	38	20	2	5
39	19	6	9	39	20	8	9
40	20	0	10	40	21	3	2
41	20	6	10	41	21	9	7
42	21	0	10	42	22	3	11
43	21	6	10	43	22	10	4
44	22	0	11	44	23	4	8
45	22	6	11	45	23	11	1

Quarters of a Foot.

	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S
$\frac{1}{4}$	0	1	6	0	$\frac{1}{4}$	0	1	7	0
$\frac{1}{2}$	0	3	0	0	$\frac{1}{2}$	0	3	2	0
$\frac{3}{4}$	0	4	6	0	$\frac{3}{4}$	0	4	9	0

Ft. long.	Side 9 In.			Ft. long.	Side 9 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	9	1	0	7	1
2	1	1	6	2	1	2	3
3	1	8	3	3	1	9	4
4	2	3	0	4	2	4	6
5	2	9	9	5	2	11	7
6	3	4	6	6	3	6	9
7	3	11	3	7	4	1	10
8	4	6	0	8	4	9	0
9	5	0	9	9	5	4	2
10	5	7	6	10	5	11	3
11	6	2	3	11	6	6	5
12	6	9	0	12	7	1	6
13	7	3	9	13	7	8	8
14	7	10	6	14	8	3	9
15	8	5	3	15	8	10	11
16	9	0	0	16	9	6	1
17	9	6	9	17	10	1	2
18	10	1	6	18	10	8	4
19	10	8	3	19	11	3	5
20	11	3	0	20	11	10	7
21	11	9	9	21	12	5	8
22	12	4	6	22	13	0	10
23	12	11	3	23	13	7	11
24	13	6	0	24	14	3	1
25	14	0	9	25	14	10	3
26	14	7	6	26	15	5	4
27	15	2	3	27	16	0	6
28	15	9	0	28	16	7	7
29	16	3	9	29	17	2	9
30	16	10	6	30	17	9	10
31	17	5	3	31	18	5	0
32	18	0	0	32	19	0	2
33	18	6	9	33	19	7	3
34	19	1	6	34	20	2	5
35	19	8	3	35	20	9	6
36	20	3	0	36	21	4	8
37	20	9	9	37	21	11	9
38	21	4	6	38	22	6	11
39	21	11	3	39	23	2	0
40	22	6	0	40	23	9	2
41	23	0	9	41	24	4	4
42	23	7	6	42	24	11	5
43	24	2	3	43	25	6	7
44	24	9	0	44	26	1	8
45	25	3	9	45	26	8	10

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	1	8	3	¼	0	1	9	3
½	0	3	4	6	½	0	3	6	6
¾	0	5	0	9	¾	0	5	3	9

Ft. long.	Side 9 ½			Ft. long.	Side 9 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa
1	0	7	6	1	0	7	11
2	1	3	0	2	1	3	10
3	1	10	6	3	1	11	9
4	2	6	1	4	2	7	8
5	3	1	7	5	3	3	7
6	3	9	1	6	3	11	6
7	4	4	7	7	4	7	5
8	5	0	2	8	5	3	4
9	5	7	8	9	5	11	3
10	6	3	2	10	6	7	2
11	6	10	8	11	7	3	1
12	7	6	3	12	7	11	0
13	8	1	9	13	8	6	11
14	8	9	3	14	9	2	10
15	9	4	9	15	9	10	9
16	10	0	4	16	10	6	9
17	10	7	10	17	11	2	8
18	11	3	4	18	11	10	7
19	11	10	10	19	12	6	6
20	12	6	5	20	13	2	5
21	13	1	11	21	13	10	4
22	13	9	5	22	14	6	3
23	14	4	11	23	15	2	2
24	15	0	6	24	15	10	1
25	15	8	0	25	16	6	0
26	16	3	6	26	17	1	11
27	16	11	0	27	17	9	10
28	17	6	7	28	18	5	9
29	18	2	1	29	19	1	8
30	18	9	7	30	19	9	7
31	19	5	1	31	20	5	6
32	20	0	8	32	21	1	6
33	20	8	2	33	21	9	5
34	21	3	8	34	22	5	4
35	21	11	2	35	23	1	3
36	22	6	9	36	23	9	2
37	23	2	3	37	24	5	1
38	23	9	9	38	25	1	0
39	24	5	3	39	25	8	11
40	25	0	10	40	26	4	10
41	25	8	4	41	27	0	9
42	26	3	10	42	27	8	8
43	26	11	4	43	28	4	7
44	27	6	11	44	29	0	6
45	28	2	5	45	29	8	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S
¼	0	1	10	6	¼	0	1	11	9
½	0	3	9	0	½	0	3	11	6
¾	0	5	7	6	¾	0	5	11	3

Ft. long.	Side 10 In.		
	Ft.	In.	Pa.
1	0	8	4
2	1	4	8
3	2	1	0
4	2	9	4
5	3	5	8
6	4	2	0
7	4	10	4
8	5	6	8
9	6	3	0
10	6	11	4
11	7	7	8
12	8	4	0
13	9	0	4
14	9	8	8
15	10	5	0
16	11	1	4
17	11	9	8
18	12	6	0
19	13	2	4
20	13	10	8
21	14	7	0
22	15	3	4
23	15	11	8
24	16	8	0
25	17	4	4
26	18	0	8
27	18	9	0
28	19	5	4
29	20	1	8
30	20	10	0
31	21	6	4
32	22	2	8
33	22	11	0
34	23	7	4
35	24	3	8
36	25	0	0
37	25	8	4
38	26	4	8
39	27	1	0
40	27	9	4
41	28	5	8
42	29	2	0
43	29	10	4
44	30	6	8
45	31	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	2	1	0
1/2	0	4	2	0
3/4	0	6	3	0

Ft. long.	Side 10 1/4		
	Ft.	In.	Pa
1	0	8	9
2	1	5	6
3	2	2	3
4	2	11	0
5	3	7	9
6	4	4	6
7	5	1	3
8	5	10	0
9	6	6	9
10	7	3	6
11	8	0	3
12	8	9	0
13	9	5	9
14	10	2	6
15	10	11	3
16	11	8	1
17	12	4	10
18	13	1	7
19	13	10	4
20	14	7	1
21	15	3	10
22	16	0	7
23	16	9	4
24	17	6	1
25	18	2	10
26	18	11	7
27	19	8	4
28	20	5	1
29	21	1	10
30	21	10	7
31	22	7	4
32	23	4	2
33	24	0	11
34	24	9	8
35	25	6	5
36	26	3	2
37	26	11	11
38	27	8	8
39	28	5	5
40	29	2	2
41	29	10	11
42	30	7	8
43	31	4	5
44	32	1	2
45	32	9	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	2	2	3
1/2	0	4	4	6
3/4	0	6	6	9

Ft. long.	Side 10 ½			Ft. long.	Side 10 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	9	2	1	0	9	7
2	1	6	4	2	1	7	3
3	2	3	6	3	2	4	10
4	3	0	9	4	3	2	6
5	3	9	11	5	4	0	1
6	4	7	1	6	4	9	9
7	5	4	3	7	5	7	4
8	6	1	6	8	6	5	0
9	6	10	8	9	7	2	8
10	7	7	10	10	8	0	3
11	8	5	0	11	8	9	11
12	9	2	3	12	9	7	6
13	9	11	5	13	10	5	2
14	10	8	7	14	11	2	9
15	11	5	9	15	12	0	5
16	12	3	0	16	12	10	1
17	13	0	2	17	13	7	8
18	13	9	4	18	14	5	4
19	14	6	6	19	15	2	11
20	15	3	9	20	16	0	7
21	16	0	11	21	16	10	2
22	16	10	1	22	17	7	10
23	17	7	3	23	18	5	5
24	18	4	6	24	19	3	1
25	19	1	8	25	20	0	9
26	19	10	10	26	20	10	4
27	20	8	0	27	21	8	0
28	21	5	3	28	22	5	7
29	22	2	5	29	23	3	3
30	22	11	7	30	24	0	10
31	23	8	9	31	24	10	6
32	24	6	0	32	25	8	2
33	25	3	2	33	26	5	9
34	26	0	4	34	27	3	5
35	26	9	6	35	28	1	0
36	27	6	9	36	28	10	8
37	28	3	11	37	29	8	3
38	29	1	1	38	30	5	11
39	29	10	3	39	31	3	6
40	30	7	6	40	32	1	2
41	31	4	8	41	32	10	10
42	32	1	10	42	33	8	5
43	32	11	0	43	34	6	1
44	33	8	3	44	35	3	8
45	34	5	5	45	36	1	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	2	3	6	¼	0	2	4	9
½	0	4	7	0	½	0	4	9	6
¾	0	6	10	6	¾	0	7	2	3

Ft.long.	Side 11 In.		
	Ft.	In.	Pa.
1	0	10	1
2	1	8	2
3	2	6	3
4	3	4	4
5	4	2	5
6	5	0	6
7	5	10	7
8	6	8	8
9	7	6	9
10	8	4	10
11	9	2	11
12	10	1	0
13	10	11	1
14	11	9	2
15	12	7	3
16	13	5	4
17	14	3	5
18	15	1	6
19	15	11	7
20	16	9	8
21	17	7	9
22	18	5	10
23	19	3	11
24	20	2	0
25	21	0	1
26	21	10	2
27	22	8	3
28	23	6	4
29	24	4	5
30	25	2	6
31	26	0	7
32	26	10	8
33	27	8	9
34	28	6	10
35	29	4	11
36	30	3	0
37	31	1	1
38	31	11	2
39	32	9	3
40	33	7	4
41	34	5	5
42	35	3	6
43	36	1	7
44	36	11	8
45	37	9	9

Quarters of a Foot.

	Ft.	In.	Pa	S.
¼	0	2	6	3
½	0	5	0	6
¾	0	7	6	9

Ft.long.	Side 11 ¼		
	Ft.	In.	Pa.
1	0	10	6
2	1	9	1
3	2	7	7
4	3	6	2
5	4	4	8
6	5	3	3
7	6	1	9
8	7	0	4
9	7	10	11
10	8	9	5
11	9	8	0
12	10	6	6
13	11	5	1
14	12	3	7
15	13	2	2
16	14	0	9
17	14	11	3
18	15	9	10
19	16	8	4
20	17	6	11
21	18	5	5
22	19	4	0
23	20	2	6
24	21	1	1
25	21	11	8
26	22	10	2
27	23	8	9
28	24	7	3
29	25	5	10
30	26	4	4
31	27	2	11
32	28	1	6
33	29	0	0
34	29	10	7
35	30	9	1
36	31	7	8
37	32	6	2
38	33	4	9
39	34	3	3
40	35	1	10
41	36	0	5
42	36	10	11
43	37	9	6
44	38	8	0
45	39	6	7

Quarters of a Foot

	Ft.	In.	Pa.	S
¼	0	2	7	6
¾	0	5	3	0
½	0	7	10	6

Ft. long.	Side 11 ½		
	Ft.	In.	Pa.
1	0	11	0
2	1	10	0
3	2	9	0
4	3	8	1
5	4	7	1
6	5	6	1
7	6	5	1
8	7	4	2
9	8	3	2
10	9	2	2
11	10	1	2
12	11	0	3
13	11	11	3
14	12	10	3
15	13	9	3
16	14	8	4
17	15	7	4
18	16	6	4
19	17	5	4
20	18	4	5
21	19	3	5
22	20	2	5
23	21	1	5
24	22	0	6
25	22	11	6
26	23	10	6
27	24	9	6
28	25	8	7
29	26	7	7
30	27	6	7
31	28	5	7
32	29	4	8
33	30	3	8
34	31	2	8
35	32	1	8
36	33	0	9
37	33	11	9
38	34	10	9
39	35	9	9
40	36	8	10
41	37	7	10
42	38	6	10
43	39	5	10
44	40	4	11
45	41	3	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	2	9	0
½	0	5	6	0
¾	0	8	3	0

Ft. long.	Side 11 ¾		
	Ft.	In.	Pa.
1	0	11	6
2	1	11	0
3	2	10	6
4	3	10	0
5	4	9	6
6	5	9	0
7	6	8	6
8	7	8	0
9	8	7	6
10	9	7	0
11	10	6	6
12	11	6	0
13	12	5	6
14	13	5	0
15	14	4	6
16	15	4	1
17	16	3	7
18	17	3	1
19	18	2	7
20	19	2	1
21	20	1	7
22	21	1	1
23	22	0	7
24	23	0	1
25	23	11	7
26	24	11	1
27	25	10	7
28	26	10	1
29	27	9	7
30	28	9	1
31	29	8	7
32	30	8	2
33	31	7	8
34	32	7	2
35	33	6	8
36	34	6	2
37	35	5	8
38	36	5	2
39	37	4	8
40	38	4	2
41	39	3	8
42	40	3	2
43	41	2	8
44	42	2	2
45	43	1	8

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	2	10	6
½	0	5	9	0
¾	0	8	7	6

Ft.long.	Side 12 In.			Ft.long.	Side 12 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	0	0	1	1	0	6
2	2	0	0	2	2	1	0
3	3	0	0	3	3	1	6
4	4	0	0	4	4	2	0
5	5	0	0	5	5	2	6
6	6	0	0	6	6	3	0
7	7	0	0	7	7	3	6
8	8	0	0	8	8	4	0
9	9	0	0	9	9	4	6
10	10	0	0	10	10	5	0
11	11	0	0	11	11	5	6
12	12	0	0	12	12	6	0
13	13	0	0	13	13	6	6
14	14	0	0	14	14	7	0
15	15	0	0	15	15	7	6
16	16	0	0	16	16	8	1
17	17	0	0	17	17	8	7
18	18	0	0	18	18	9	1
19	19	0	0	19	19	9	7
20	20	0	0	20	20	10	1
21	21	0	0	21	21	10	7
22	22	0	0	22	22	11	1
23	23	0	0	23	23	11	7
24	24	0	0	24	25	0	1
25	25	0	0	25	26	0	7
26	26	0	0	26	27	1	1
27	27	0	0	27	28	1	7
28	28	0	0	28	29	2	1
29	29	0	0	29	30	2	7
30	30	0	0	30	31	3	1
31	31	0	0	31	32	3	8
32	32	0	0	32	33	4	2
33	33	0	0	33	34	4	8
34	34	0	0	34	35	5	2
35	35	0	0	35	36	5	8
36	36	0	0	36	37	6	2
37	37	0	0	37	38	6	8
38	38	0	0	38	39	7	2
39	39	0	0	39	40	7	8
40	40	0	0	40	41	8	2
41	41	0	0	41	42	8	8
42	42	0	0	42	43	9	2
43	43	0	0	43	44	9	8
44	44	0	0	44	45	10	2
45	45	0	0	45	46	10	8

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	3	0	0	$\frac{1}{4}$	0	3	1	6
$\frac{1}{2}$	0	6	0	0	$\frac{1}{2}$	0	6	3	0
$\frac{3}{4}$	0	9	0	0	$\frac{3}{4}$	0	9	4	6

Ft. long.	Side 12 $\frac{1}{2}$			Ft. long.	Side 12 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	1	0	1	1	1	6
2	2	2	0	2	2	3	1
3	3	3	0	3	3	4	7
4	4	4	1	4	4	6	2
5	5	5	1	5	5	7	8
6	6	6	1	6	6	9	3
7	7	7	1	7	7	10	9
8	8	8	2	8	9	0	4
9	9	9	2	9	10	1	11
10	10	10	2	10	11	3	5
11	11	11	2	11	12	5	0
12	13	0	3	12	13	6	6
13	14	1	3	13	14	8	1
14	15	2	3	14	15	9	7
15	16	3	3	15	16	11	2
16	17	4	4	16	18	0	9
17	18	5	4	17	19	2	3
18	19	6	4	18	20	3	10
19	20	7	4	19	21	5	4
20	21	8	5	20	22	6	11
21	22	9	5	21	23	8	5
22	23	10	5	22	24	10	0
23	24	11	5	23	25	11	6
24	26	0	6	24	27	1	1
25	27	1	6	25	28	2	8
26	28	2	6	26	29	4	2
27	29	3	6	27	30	5	9
28	30	4	7	28	31	7	3
29	31	5	7	29	32	8	10
30	32	6	7	30	33	10	4
31	33	7	7	31	34	11	11
32	34	8	8	32	36	1	6
33	35	9	8	33	37	3	0
34	36	10	8	34	38	4	7
35	37	11	8	35	39	6	1
36	39	0	9	36	40	7	8
37	40	1	9	37	41	9	2
38	41	2	9	38	42	10	9
39	42	3	9	39	44	0	3
40	43	4	10	40	45	1	10
41	44	5	10	41	46	3	5
42	45	6	10	42	47	4	11
43	46	7	10	43	48	6	6
44	47	8	11	44	49	8	0
45	48	9	11	45	50	9	7

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	3	3	0	$\frac{1}{4}$	0	3	4	6
$\frac{1}{2}$	0	6	6	0	$\frac{1}{2}$	0	6	9	0
$\frac{3}{4}$	0	9	9	0	$\frac{3}{4}$	0	10	1	6

Ft. long.	Side 13 In.			Ft. long.	Side 13 ½		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	1	1	1	2	7
2	2	4	2	2	2	5	3
3	3	6	3	3	3	7	10
4	4	8	4	4	4	10	6
5	5	10	5	5	6	1	1
6	7	0	6	6	7	3	9
7	8	2	7	7	8	6	4
8	9	4	8	8	9	9	0
9	10	6	9	9	10	11	8
10	11	8	10	10	12	2	3
11	12	10	11	11	13	4	11
12	14	1	0	12	14	7	6
13	15	3	1	13	15	10	2
14	16	5	2	14	17	0	9
15	17	7	3	15	18	3	5
16	18	9	4	16	19	6	1
17	19	11	5	17	20	8	8
18	21	1	6	18	21	11	4
19	22	3	7	19	23	1	11
20	23	5	8	20	24	4	7
21	24	7	9	21	25	7	2
22	25	9	10	22	26	9	10
23	26	11	11	23	28	0	5
24	28	2	0	24	29	3	1
25	29	4	1	25	30	5	9
26	30	6	2	26	31	8	4
27	31	8	3	27	32	11	0
28	32	10	4	28	34	1	7
29	34	0	5	29	35	4	3
30	35	2	6	30	36	6	10
31	36	4	7	31	37	9	6
32	37	6	8	32	39	0	2
33	38	8	9	33	40	2	9
34	39	10	10	34	41	5	5
35	41	0	11	35	42	8	0
36	42	3	0	36	43	10	8
37	43	5	1	37	45	1	3
38	44	7	2	38	46	3	11
39	45	9	3	39	47	6	6
40	46	11	4	40	48	9	2
41	48	1	5	41	49	11	10
42	49	3	6	42	51	2	5
43	50	5	7	43	52	5	1
44	51	7	8	44	53	7	8
45	52	9	9	45	54	10	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	3	6	3	¼	0	3	7	9
½	0	7	0	6	½	0	7	3	6
¾	0	10	6	9	¾	0	10	11	3

Ft. long.	Side 13 $\frac{1}{2}$			Ft. long.	Side 13 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	3	2	1	1	3	9
2	2	6	4	2	2	7	6
3	3	9	6	3	3	11	3
4	5	0	9	4	5	3	0
5	6	3	11	5	6	6	9
6	7	7	1	6	7	10	6
7	8	10	3	7	9	2	3
8	10	1	6	8	10	6	0
9	11	4	8	9	11	9	9
10	12	7	10	10	13	1	6
11	13	11	0	11	14	5	3
12	15	2	3	12	15	9	0
13	16	5	5	13	17	0	9
14	17	8	7	14	18	4	6
15	18	11	9	15	19	8	3
16	20	3	0	16	21	0	1
17	21	6	2	17	22	3	10
18	22	9	4	18	23	7	7
19	24	0	6	19	24	11	4
20	25	3	9	20	26	3	1
21	26	6	11	21	27	6	10
22	27	10	1	22	28	10	7
23	29	1	3	23	30	2	4
24	30	4	6	24	31	6	1
25	31	7	8	25	32	9	10
26	32	10	10	26	34	1	7
27	34	2	0	27	35	5	4
28	35	5	3	28	36	9	1
29	36	8	5	29	38	0	10
30	37	11	7	30	39	4	7
31	39	2	9	31	40	8	4
32	40	6	0	32	42	0	2
33	41	9	2	33	43	3	11
34	43	0	4	34	44	7	8
35	44	3	6	35	45	11	5
36	45	0	9	36	47	3	2
37	46	9	11	37	48	6	11
38	48	1	1	38	49	10	8
39	49	4	3	39	51	2	5
40	50	7	6	40	52	6	2
41	51	10	8	41	53	9	11
42	53	1	10	42	55	1	8
43	54	5	0	43	56	5	5
44	55	8	3	44	57	9	2
45	56	11	5	45	59	0	11

Quarters of a Foot.					Quarters of a Foot				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S
$\frac{1}{4}$	0	3	9	6	$\frac{1}{4}$	0	3	11	3
$\frac{1}{2}$	0	7	7	0	$\frac{1}{2}$	0	7	10	6
$\frac{3}{4}$	0	11	4	6	$\frac{3}{4}$	0	11	9	9

Ft. long.	Side 14 In.			Ft. long.	Side 14 ¼		
	Ft.	In:	Pa.		Ft.	In.	Pa.
1	1	4	4	1	1	4	11
2	2	8	8	2	2	9	10
3	4	1	0	3	4	2	9
4	5	5	4	4	5	7	8
5	6	9	8	5	7	0	7
6	8	2	0	6	8	5	6
7	9	6	4	7	9	10	5
8	10	10	8	8	11	3	4
9	12	3	0	9	12	8	3
10	13	7	4	10	14	1	2
11	14	11	8	11	15	6	1
12	16	4	0	12	16	11	0
13	17	8	4	13	18	3	11
14	19	0	8	14	19	8	10
15	20	5	0	15	21	1	9
16	21	9	4	16	22	6	9
17	23	1	8	17	23	11	8
18	24	6	0	18	25	4	7
19	25	10	4	19	26	9	6
20	27	2	8	20	28	2	5
21	28	7	0	21	29	7	4
22	29	11	4	22	31	0	3
23	31	3	8	23	32	5	2
24	32	8	0	24	33	10	1
25	34	0	4	25	35	3	0
26	35	4	8	26	36	7	11
27	36	9	0	27	38	0	10
28	38	1	4	28	39	5	9
29	39	5	8	29	40	10	8
30	40	10	0	30	42	3	7
31	42	2	4	31	43	8	6
32	43	6	8	32	45	1	6
33	44	11	0	33	46	6	5
34	46	3	4	34	47	11	4
35	47	7	8	35	49	4	3
36	49	0	0	36	50	9	2
37	50	4	4	37	52	2	1
38	51	8	8	38	53	7	0
39	53	1	0	39	54	11	11
40	54	5	4	40	56	4	10
41	55	9	8	41	57	9	9
42	57	2	0	42	59	2	8
43	58	6	4	43	60	7	7
44	59	10	8	44	62	0	6
45	61	3	0	45	63	5	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	4	1	0	¼	0	4	2	9
½	0	8	2	0	½	0	8	5	6
¾	1	0	3	0	¾	1	0	8	3

Ft. long.	Side 14 ½			Ft. long.	Side 14 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	5	6	1	1	6	1
2	2	11	0	2	3	0	3
3	4	4	6	3	4	6	4
4	5	10	1	4	6	0	6
5	7	3	7	5	7	6	7
6	8	9	1	6	9	0	9
7	10	2	7	7	10	6	10
8	11	8	2	8	12	1	0
9	13	1	8	9	13	7	2
10	14	7	2	10	15	1	3
11	16	0	8	11	16	7	5
12	17	6	3	12	18	1	6
13	18	11	9	13	19	7	8
14	20	5	3	14	21	1	9
15	21	10	9	15	22	7	11
16	23	4	4	16	24	2	1
17	24	9	10	17	25	8	2
18	26	3	4	18	27	2	4
19	27	8	10	19	28	8	5
20	29	2	5	20	30	2	7
21	30	7	11	21	31	8	8
22	32	1	5	22	33	2	10
23	33	6	11	23	34	8	11
24	35	0	6	24	36	3	1
25	36	6	0	25	37	9	3
26	37	11	6	26	39	3	4
27	39	5	0	27	40	9	6
28	40	10	7	28	42	3	7
29	42	4	1	29	43	9	9
30	43	9	7	30	45	3	10
31	45	3	1	31	46	10	0
32	46	8	8	32	48	4	2
33	48	2	2	33	49	10	3
34	49	7	8	34	51	4	5
35	51	1	2	35	52	10	6
36	52	6	9	36	54	4	8
37	54	0	3	37	55	10	9
38	55	5	9	38	57	4	11
39	56	11	3	39	58	11	0
40	58	4	10	40	60	5	2
41	59	10	4	41	61	11	4
42	61	3	10	42	63	5	5
43	62	9	4	43	64	11	7
44	64	2	11	44	66	5	8
45	65	8	5	45	67	11	10

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	4	4	6	¼	0	4	6	3
½	0	8	9	0	½	0	9	0	6
¾	1	1	1	6	¾	1	1	6	9

Ft. long.	Side 15 In.		
	Ft.	In.	Pa.
1	1	6	9
2	3	1	6
3	4	8	3
4	6	3	0
5	7	9	9
6	9	4	6
7	10	11	3
8	12	6	0
9	14	0	9
10	15	7	6
11	17	2	3
12	18	9	0
13	20	3	9
14	21	10	6
15	23	5	3
16	25	0	0
17	26	6	9
18	28	1	6
19	29	8	3
20	31	3	0
21	32	9	9
22	34	4	6
23	35	11	3
24	37	6	0
25	39	0	9
26	40	7	6
27	42	2	3
28	43	9	0
29	45	3	9
30	46	10	6
31	48	5	3
32	50	0	0
33	51	6	9
34	53	1	6
35	54	8	3
36	56	3	0
37	57	9	9
38	59	4	6
39	60	11	3
40	62	6	0
41	64	0	9
42	65	7	6
43	67	2	3
44	68	9	0
45	70	3	9

Quarters of a Foot.

	Ft.	In.	Pa	S.
1/4	0	4	8	3
1/2	0	9	4	6
3/4	1	2	0	9

Ft. long.	Side 15 1/4		
	Ft.	In.	Pa.
1	1	7	4
2	3	2	9
3	4	10	1
4	6	5	6
5	8	0	10
6	9	8	3
7	11	3	7
8	12	11	0
9	14	6	5
10	16	1	9
11	17	9	2
12	19	4	6
13	20	11	11
14	22	7	3
15	24	2	8
16	25	10	1
17	27	5	5
18	29	0	10
19	30	8	2
20	32	3	7
21	33	10	11
22	35	6	4
23	37	1	8
24	38	9	1
25	40	4	6
26	41	11	10
27	43	7	3
28	45	2	7
29	46	10	0
30	48	5	4
31	50	0	9
32	51	8	2
33	53	3	6
34	54	10	11
35	56	6	3
36	58	1	8
37	59	9	0
38	61	4	5
39	62	11	9
40	64	7	2
41	66	2	7
42	67	9	11
43	69	5	4
44	71	0	8
45	72	8	1

Quarters of a Foot.

	Ft.	In.	Pa.	S
1/4	0	4	10	0
3/4	0	9	8	0
1/2	1	2	6	0

Ft. long.	Side 15 ½			Ft. long.	Side 15 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	8
2	3	4	0	2	3	5	4
3	5	0	0	3	5	2	0
4	6	8	1	4	6	10	8
5	8	4	1	5	8	7	4
6	10	0	1	6	10	4	0
7	11	8	1	7	12	0	8
8	13	4	2	8	13	9	4
9	15	0	2	9	15	6	0
10	16	8	2	10	17	2	8
11	18	4	2	11	18	11	4
12	20	0	3	12	20	8	0
13	21	8	3	13	22	4	8
14	23	4	3	14	24	1	4
15	25	0	3	15	25	10	0
16	26	8	4	16	27	6	9
17	28	4	4	17	29	3	5
18	30	0	4	18	31	0	1
19	31	8	4	19	32	8	9
20	33	4	5	20	34	5	5
21	35	0	5	21	36	2	1
22	36	8	5	22	37	10	9
23	38	4	5	23	39	7	5
24	40	0	6	24	41	4	1
25	41	8	6	25	43	0	9
26	43	4	6	26	44	9	5
27	45	0	6	27	46	6	1
28	46	8	7	28	48	2	9
29	48	4	7	29	49	11	5
30	50	0	7	30	51	8	1
31	51	8	7	31	53	4	9
32	53	4	8	32	55	1	6
33	55	0	8	33	56	10	2
34	56	8	8	34	58	6	10
35	58	4	8	35	60	3	6
36	60	0	9	36	62	0	2
37	61	8	9	37	63	8	10
38	63	4	9	38	65	5	6
39	65	0	9	39	67	2	2
40	66	8	10	40	68	10	10
41	68	4	10	41	70	7	6
42	70	0	10	42	72	4	2
43	71	8	10	43	74	0	10
44	73	4	11	44	75	9	6
45	75	0	11	45	77	6	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	5	0	0	¼	0	5	2	0
½	0	10	0	0	½	0	10	4	0
¾	1	3	0	0	¾	1	3	6	0

Ft. long.	Side 16 In.			Ft. long.	Side 16 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	9	4	1	1	10	0
2	3	6	8	2	3	8	0
3	5	4	0	3	5	6	0
4	7	1	4	4	7	4	0
5	8	10	8	5	9	2	0
6	10	8	0	6	11	0	0
7	12	5	4	7	12	10	0
8	14	2	8	8	14	8	0
9	16	0	0	9	16	6	0
10	17	9	4	10	18	4	0
11	19	6	8	11	20	2	0
12	21	4	0	12	22	0	0
13	23	1	4	13	23	10	0
14	24	10	8	14	25	8	0
15	26	8	0	15	27	6	0
16	28	5	4	16	29	4	1
17	30	2	8	17	31	2	1
18	32	0	0	18	33	0	1
19	33	9	4	19	34	10	1
20	35	6	8	20	36	8	1
21	37	4	0	21	38	6	1
22	39	1	4	22	40	4	1
23	40	10	8	23	42	2	1
24	42	8	0	24	44	0	1
25	44	5	4	25	45	10	1
26	46	2	8	26	47	8	1
27	48	0	0	27	49	6	1
28	49	9	4	28	51	4	1
29	51	6	8	29	53	2	1
30	53	4	0	30	55	0	1
31	55	1	4	31	56	10	1
32	56	10	8	32	58	8	2
33	58	8	0	33	60	6	2
34	60	5	4	34	62	4	2
35	62	2	8	35	64	2	2
36	64	0	0	36	66	0	2
37	65	9	4	37	67	10	2
38	67	6	8	38	69	8	2
39	69	4	0	39	71	6	2
40	71	1	4	40	73	4	2
41	72	10	8	41	75	2	2
42	74	8	0	42	77	0	2
43	76	5	4	43	78	10	2
44	78	2	8	44	80	8	2
45	80	0	0	45	82	6	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	5	4	0	$\frac{1}{4}$	0	5	6	0
$\frac{1}{2}$	0	10	8	0	$\frac{1}{2}$	0	11	0	0
$\frac{3}{4}$	1	4	0	0	$\frac{3}{4}$	1	4	6	0

Ft. long.	Side 16 ½ Ft.	In.	Pa.	Ft. long.	Side 16 ¾ Ft.	In.	Pa.
1	1	10	8	1	1	11	4
2	3	9	4	2	3	10	9
3	5	8	0	3	5	10	1
4	7	6	9	4	7	9	6
5	9	5	5	5	9	8	10
6	11	4	1	6	11	8	3
7	13	2	9	7	13	7	7
8	15	1	6	8	15	7	0
9	17	0	2	9	17	6	5
10	18	10	10	10	19	5	9
11	20	9	6	11	21	5	2
12	22	8	3	12	23	4	6
13	24	6	11	13	25	3	11
14	26	5	7	14	27	3	3
15	28	4	3	15	29	2	8
16	30	3	0	16	31	2	1
17	32	1	8	17	33	1	5
18	34	0	4	18	35	0	10
19	35	11	0	19	37	0	2
20	37	9	9	20	38	11	7
21	39	8	5	21	40	10	11
22	41	7	1	22	42	10	4
23	43	5	9	23	44	9	8
24	45	4	6	24	46	9	1
25	47	3	2	25	48	8	6
26	49	1	10	26	50	7	10
27	51	0	6	27	52	7	3
28	52	11	3	28	54	6	7
29	54	9	11	29	56	6	0
30	56	8	7	30	58	5	4
31	58	7	3	31	60	4	9
32	60	6	0	32	62	4	2
33	62	4	8	33	64	3	6
34	64	3	4	34	66	2	11
35	66	2	0	35	68	2	3
36	68	0	9	36	70	1	8
37	69	11	5	37	72	1	0
38	71	10	1	38	74	0	5
39	73	8	9	39	75	11	9
40	75	7	6	40	77	11	2
41	77	6	2	41	79	10	7
42	79	4	10	42	81	9	11
43	81	3	6	43	83	9	4
44	83	2	3	44	85	8	8
45	85	0	11	45	87	8	1

Quarters of a Foot.

	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	5	8	0	¼	0	5	10	0
½	0	11	4	0	½	0	11	8	0
¾	1	5	0	0	¾	1	5	6	0

Ft. long.	Side 17 In.		
	Ft.	In.	Pa.
1	2	0	1
2	4	0	2
3	6	0	3
4	8	0	4
5	10	0	5
6	12	0	6
7	14	0	7
8	16	0	8
9	18	0	9
10	20	0	10
11	22	0	11
12	24	1	0
13	26	1	1
14	28	1	2
15	30	1	3
16	32	1	4
17	34	1	5
18	36	1	6
19	38	1	7
20	40	1	8
21	42	1	9
22	44	1	10
23	46	1	11
24	48	2	0
25	50	2	1
26	52	2	2
27	54	2	3
28	56	2	4
29	58	2	5
30	60	2	6
31	62	2	7
32	64	2	8
33	66	2	9
34	68	2	10
35	70	2	11
36	72	3	0
37	74	3	1
38	76	3	2
39	78	3	3
40	80	3	4
41	82	3	5
42	84	3	6
43	86	3	7
44	88	3	8
45	90	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	6	0	3
½	1	0	0	6
¾	1	6	0	9

Ft. long.	Side 17 ¼		
	Ft.	In.	Pa.
1	2	0	9
2	4	1	7
3	6	2	4
4	8	3	2
5	10	3	11
6	12	4	9
7	14	5	6
8	16	6	4
9	18	7	2
10	20	7	11
11	22	8	9
12	24	9	6
13	26	10	4
14	28	11	1
15	30	11	11
16	33	0	9
17	35	1	6
18	37	2	4
19	39	3	1
20	41	3	11
21	43	4	8
22	45	5	6
23	47	6	3
24	49	7	1
25	51	7	11
26	53	8	8
27	55	9	6
28	57	10	3
29	59	11	1
30	61	11	10
31	64	0	8
32	66	1	6
33	68	2	3
34	70	3	1
35	72	3	10
36	74	4	8
37	76	5	5
38	78	6	3
39	80	7	0
40	82	7	10
41	84	8	8
42	86	9	5
43	88	10	3
44	90	11	0
45	92	11	10

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	6	2	3
½	1	0	4	6
¾	1	6	6	9

Ft. long.	Side 17 ½			Ft. long.	Side 17 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	1	6	1	2	2	3
2	4	3	0	2	4	4	6
3	6	4	6	3	6	6	9
4	8	6	1	4	8	9	0
5	10	7	7	5	10	11	3
6	12	9	1	6	13	1	6
7	14	10	7	7	15	3	9
8	17	0	2	8	17	6	0
9	19	1	8	9	19	8	3
10	21	3	2	10	21	10	6
11	23	4	8	11	24	0	9
12	25	6	3	12	26	3	0
13	27	7	9	13	28	5	3
14	29	9	3	14	30	7	6
15	31	10	9	15	32	9	9
16	34	0	4	16	35	0	1
17	36	1	10	17	37	2	4
18	38	3	4	18	39	4	7
19	40	4	10	19	41	6	10
20	42	6	5	20	43	9	1
21	44	7	11	21	45	11	4
22	46	9	5	22	48	1	7
23	48	10	11	23	50	3	10
24	51	0	6	24	52	6	1
25	53	2	0	25	54	8	4
26	55	3	6	26	56	10	7
27	57	5	0	27	59	0	10
28	59	6	7	28	61	3	1
29	61	8	1	29	63	5	4
30	63	9	7	30	65	7	7
31	65	11	1	31	67	9	10
32	68	0	8	32	70	0	2
33	70	2	2	33	72	2	5
34	72	3	8	34	74	4	8
35	74	5	2	35	76	6	11
36	76	6	9	36	78	9	2
37	78	8	3	37	80	11	5
38	80	9	9	38	83	1	8
39	82	11	3	39	85	3	11
40	85	0	10	40	87	6	2
41	87	2	4	41	89	8	5
42	89	3	10	42	91	10	8
43	91	5	4	43	94	0	11
44	93	6	11	44	96	3	2
45	95	8	5	45	98	5	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	6	4	6	¼	0	6	6	9
½	1	0	9	0	½	1	1	1	6
¾	1	7	1	6	¾	1	7	8	3

Ft. long.	Side 18 In.		
	Ft.	In.	Pa.
1	2	3	0
2	4	6	0
3	6	9	0
4	9	0	0
5	11	3	0
6	13	6	0
7	15	9	0
8	18	0	0
9	20	3	0
10	22	6	0
11	24	9	0
12	27	0	0
13	29	3	0
14	31	6	0
15	33	9	0
16	36	0	0
17	38	3	0
18	40	6	0
19	42	9	0
20	45	0	0
21	47	3	0
22	49	6	0
23	51	9	0
24	54	0	0
25	56	3	0
26	58	6	0
27	60	9	0
28	63	0	0
29	65	3	0
30	67	6	0
31	69	9	0
32	72	0	0
33	74	3	0
34	76	6	0
35	78	9	0
36	81	0	0
37	83	3	0
38	85	6	0
39	87	9	0
40	90	0	0
41	92	3	0
42	94	6	0
43	96	9	0
44	99	0	0
45	101	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	6	9	0
1/2	1	1	6	0
3/4	1	8	3	0

Ft. long.	Side 18 1/4		
	Ft.	In.	Pa.
1	2	3	9
2	4	7	6
3	6	11	3
4	9	3	0
5	11	6	9
6	13	10	6
7	16	2	3
8	18	6	0
9	20	9	9
10	23	1	6
11	25	5	3
12	27	9	0
13	30	0	9
14	32	4	6
15	34	8	3
16	37	0	1
17	39	3	10
18	41	7	7
19	43	11	4
20	46	3	1
21	48	6	10
22	50	10	7
23	53	2	4
24	55	6	1
25	57	9	10
26	60	1	7
27	62	5	4
28	64	9	1
29	67	0	10
30	69	4	7
31	71	8	4
32	74	0	2
33	76	3	11
34	78	7	8
35	80	11	5
36	83	3	2
37	85	6	11
38	87	10	8
39	90	2	5
40	92	6	2
41	94	9	11
42	97	1	8
43	99	5	5
44	101	9	2
45	104	0	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	6	11	3
1/2	1	1	10	6
3/4	1	8	9	9

Ft.long.	Side 18 ½			Ft.long.	Side 18 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	4	6	1	2	5	3
2	4	9	0	2	4	10	7
3	7	1	6	3	7	3	10
4	9	6	1	4	9	9	2
5	11	10	7	5	12	2	5
6	14	3	1	6	14	7	9
7	16	7	7	7	17	1	0
8	19	0	2	8	19	6	4
9	21	4	8	9	21	11	8
10	23	9	2	10	24	4	11
11	26	1	8	11	26	10	3
12	28	6	3	12	29	3	6
13	30	10	9	13	31	8	10
14	33	3	3	14	34	2	1
15	35	7	9	15	36	7	5
16	38	0	4	16	39	0	9
17	40	4	10	17	41	6	0
18	42	9	4	18	43	11	4
19	45	1	10	19	46	4	7
20	47	6	5	20	48	9	11
21	49	10	11	21	51	3	2
22	52	3	5	22	53	8	6
23	54	7	11	23	56	1	9
24	57	0	6	24	58	7	1
25	59	5	0	25	61	0	5
26	61	9	6	26	63	5	8
27	64	2	0	27	65	11	0
28	66	6	7	28	68	4	3
29	68	11	1	29	70	9	7
30	71	3	7	30	73	2	10
31	73	8	1	31	75	8	2
32	76	0	8	32	78	1	6
33	78	5	2	33	80	6	9
34	80	9	8	34	83	0	1
35	83	2	2	35	85	5	4
36	85	6	9	36	87	10	8
37	87	11	3	37	90	3	11
38	90	3	9	38	92	9	3
39	92	8	3	39	95	2	6
40	95	0	10	40	97	7	10
41	97	5	4	41	100	1	2
42	99	9	10	42	102	6	5
43	102	2	4	43	104	11	9
44	104	6	11	44	107	5	0
45	106	11	5	45	109	10	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	7	1	6	¼	0	7	3	9
½	1	2	3	0	½	1	2	7	6
¾	1	9	4	6	¾	1	9	11	3

Ft. long.	Side 19 In.		
	Ft.	In.	Pa.
1	2	6	1
2	5	0	2
3	7	6	3
4	10	0	4
5	12	6	5
6	15	0	6
7	17	6	7
8	20	0	8
9	22	6	9
10	25	0	10
11	27	6	11
12	30	1	0
13	32	7	1
14	35	1	2
15	37	7	3
16	40	1	4
17	42	7	5
18	45	1	6
19	47	7	7
20	50	1	8
21	52	7	9
22	55	1	10
23	57	7	11
24	60	2	0
25	62	8	1
26	65	2	2
27	67	8	3
28	70	2	4
29	72	8	5
30	75	2	6
31	77	8	7
32	80	2	8
33	82	8	9
34	85	2	10
35	87	8	11
36	90	3	0
37	92	9	1
38	95	3	2
39	97	9	3
40	100	3	4
41	102	9	5
42	105	3	6
43	107	9	7
44	110	3	8
45	112	9	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	7	6	3
½	1	3	0	6
¾	1	10	6	9

Ft. long.	Side 19 ¼		
	Ft.	In.	Pa.
1	2	6	10
2	5	1	9
3	7	8	7
4	10	3	6
5	12	10	4
6	15	5	3
7	18	0	1
8	20	7	0
9	23	1	11
10	25	8	9
11	28	3	8
12	30	10	6
13	33	5	5
14	36	0	3
15	38	7	2
16	41	2	1
17	43	8	11
18	46	3	10
19	48	10	8
20	51	5	7
21	54	0	5
22	56	7	4
23	59	2	2
24	61	9	1
25	64	4	0
26	66	10	10
27	69	5	9
28	72	0	7
29	74	7	6
30	77	2	4
31	79	9	3
32	82	4	2
33	84	11	0
34	87	5	11
35	90	0	9
36	92	7	8
37	95	2	6
38	97	9	5
39	100	4	3
40	102	11	2
41	105	6	1
42	108	0	11
43	110	7	10
44	113	2	8
45	115	9	7

Quarters of a Foot.

	Ft.	In.	Pa.	S
¼	0	7	8	6
¾	1	3	5	0
½	1	11	1	6

Ft.long.	Side $19\frac{1}{2}$			Ft.long.	Side $19\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	7	8	1	2	8	6
2	5	3	4	2	5	5	0
3	7	11	0	3	8	1	6
4	10	6	9	4	10	10	0
5	13	2	5	5	13	6	6
6	15	10	1	6	16	3	0
7	18	5	9	7	18	11	6
8	21	1	6	8	21	8	0
9	23	9	2	9	24	4	6
10	26	4	10	10	27	1	0
11	29	0	6	11	29	9	6
12	31	8	3	12	32	6	0
13	34	3	11	13	35	2	6
14	36	11	7	14	37	11	0
15	39	7	3	15	40	7	6
16	42	3	0	16	43	4	1
17	44	10	8	17	46	0	7
18	47	6	4	18	48	9	1
19	50	2	0	19	51	5	7
20	52	9	9	20	54	2	1
21	55	5	5	21	56	10	7
22	58	1	1	22	59	7	1
23	60	8	9	23	62	3	7
24	63	4	6	24	65	0	1
25	66	0	2	25	67	8	7
26	68	7	10	26	70	5	1
27	71	3	6	27	73	1	7
28	73	11	3	28	75	10	1
29	76	6	11	29	78	6	7
30	79	2	7	30	81	3	1
31	81	10	3	31	83	11	7
32	84	6	0	32	86	8	2
33	87	1	8	33	89	4	8
34	89	9	4	34	92	1	2
35	92	5	0	35	94	9	8
36	95	0	9	36	97	6	2
37	97	8	5	37	100	2	8
38	100	4	1	38	102	11	2
39	102	11	9	39	105	7	8
40	105	7	6	40	108	4	2
41	108	3	2	41	111	0	8
42	110	10	10	42	113	9	2
43	113	6	6	43	116	5	8
44	116	2	3	44	119	2	2
45	118	9	11	45	121	10	8

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	7	11	0	$\frac{1}{4}$	0	8	1	6
$\frac{1}{2}$	1	3	10	0	$\frac{1}{2}$	1	4	3	0
$\frac{3}{4}$	1	11	9	0	$\frac{3}{4}$	2	0	4	6

Ft. long.	Side 20 In.		
	Ft.	In.	Pa.
1	2	9	4
2	5	6	8
3	8	4	0
4	11	1	4
5	13	10	8
6	16	8	0
7	19	5	4
8	22	2	8
9	25	0	0
10	27	9	4
11	30	6	8
12	33	4	0
13	36	1	4
14	38	10	8
15	41	8	0
16	44	5	4
17	47	2	8
18	50	0	0
19	52	9	4
20	55	6	8
21	58	4	0
22	61	1	4
23	63	10	8
24	66	8	0
25	69	5	4
26	72	2	8
27	75	0	0
28	77	9	4
29	80	6	8
30	83	4	0
31	86	1	4
32	88	10	8
33	91	8	0
34	94	5	4
35	97	2	8
36	100	0	0
37	102	9	4
38	105	6	8
39	108	4	0
40	111	1	4
41	113	10	8
42	116	8	0
43	119	5	4
44	122	2	8
45	125	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	0	8	4	0
1/2	1	4	8	0
3/4	2	1	0	0

Ft. long.	Side 20 1/4		
	Ft.	In.	Pa.
1	2	10	2
2	5	8	4
3	8	6	6
4	11	4	8
5	14	2	10
6	17	1	0
7	19	11	2
8	22	9	4
9	25	7	6
10	28	5	8
11	31	3	10
12	34	2	0
13	37	0	2
14	39	10	4
15	42	8	6
16	45	6	9
17	48	4	11
18	51	3	1
19	54	1	3
20	56	11	5
21	59	9	7
22	62	7	9
23	65	5	11
24	68	4	1
25	71	2	3
26	74	0	5
27	76	10	7
28	79	8	9
29	82	6	11
30	85	5	1
31	88	3	3
32	91	1	6
33	93	11	8
34	96	9	10
35	99	8	0
36	102	6	2
37	105	4	4
38	108	2	6
39	111	0	8
40	113	10	10
41	116	9	0
42	119	7	2
43	122	5	4
44	125	3	6
45	128	1	8

Quarters of a Foot.

	Ft.	In.	Pa.	S
1/4	0	8	6	6
1/2	1	5	1	0
3/4	2	1	7	6

Ft. long.	Side 20 $\frac{1}{2}$			Ft. long.	Side 20 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	11	0	1	2	11	10
2	5	10	0	2	5	11	9
3	8	9	0	3	8	11	7
4	11	8	1	4	11	11	6
5	14	7	1	5	14	11	4
6	17	6	1	6	17	11	3
7	20	5	1	7	20	11	1
8	23	4	2	8	23	11	0
9	26	3	2	9	26	10	11
10	29	2	2	10	29	10	9
11	32	1	2	11	32	10	8
12	35	0	3	12	35	10	6
13	37	11	3	13	38	10	5
14	40	10	3	14	41	10	3
15	43	9	3	15	44	10	2
16	46	8	4	16	47	10	1
17	49	7	4	17	50	9	11
18	52	6	4	18	53	9	10
19	55	5	4	19	56	9	8
20	58	4	5	20	59	9	7
21	61	3	5	21	62	9	5
22	64	2	5	22	65	9	4
23	67	1	5	23	68	9	2
24	70	0	6	24	71	9	1
25	72	11	6	25	74	9	0
26	75	10	6	26	77	8	10
27	78	9	6	27	80	8	9
28	81	8	7	28	83	8	7
29	84	7	7	29	86	8	6
30	87	6	7	30	89	8	4
31	90	5	7	31	92	8	3
32	93	4	8	32	95	8	2
33	96	3	8	33	98	8	0
34	99	2	8	34	101	7	11
35	102	1	8	35	104	7	9
36	105	0	9	36	107	7	8
37	107	11	9	37	110	7	6
38	110	10	9	38	113	7	5
39	113	9	9	39	116	7	3
40	116	8	10	40	119	7	2
41	119	7	10	41	122	7	1
42	122	6	10	42	125	6	11
43	125	5	10	43	128	6	10
44	128	4	11	44	131	6	8
45	131	3	11	45	134	6	7

	Quarters of a Foot.					Quarters of a Foot.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	8	9	0	$\frac{1}{4}$	0	8	11	6
$\frac{1}{2}$	1	5	6	0	$\frac{1}{2}$	1	5	11	0
$\frac{3}{4}$	2	2	3	0	$\frac{3}{4}$	2	2	10	6

Ft.long.	Side 21 In.			Ft.long.	Side 21 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	0	9	1	3	1	7
2	6	1	6	2	6	3	3
3	9	2	3	3	9	4	10
4	12	3	0	4	12	6	6
5	15	3	9	5	15	8	1
6	18	4	6	6	18	9	9
7	21	5	3	7	21	11	4
8	24	6	0	8	25	1	0
9	27	6	9	9	28	2	8
10	30	7	6	10	31	4	3
11	33	8	3	11	34	5	11
12	36	9	0	12	37	7	6
13	39	9	9	13	40	9	2
14	42	10	6	14	43	10	9
15	45	11	3	15	47	0	5
16	49	0	0	16	50	2	1
17	52	0	9	17	53	3	8
18	55	1	6	18	56	5	4
19	58	2	3	19	59	6	11
20	61	3	0	20	62	8	7
21	64	3	9	21	65	10	2
22	67	4	6	22	68	11	10
23	70	5	3	23	72	1	5
24	73	6	0	24	75	3	1
25	76	6	9	25	78	4	9
26	79	7	6	26	81	6	4
27	82	8	3	27	84	8	0
28	85	9	0	28	87	9	7
29	88	9	9	29	90	11	3
30	91	10	6	30	94	0	10
31	94	11	3	31	97	2	6
32	98	0	0	32	100	4	2
33	101	0	9	33	103	5	9
34	104	1	6	34	106	7	5
35	107	2	3	35	109	9	0
36	110	3	0	36	112	10	8
37	113	3	9	37	116	0	3
38	116	4	6	38	119	1	11
39	119	5	3	39	122	3	6
40	122	6	0	40	125	5	2
41	125	6	9	41	128	6	10
42	128	7	6	42	131	8	5
43	131	8	3	43	134	10	1
44	134	9	0	44	137	11	8
45	137	9	9	45	141	1	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	0	9	2	3	¼	0	9	4	9
½	1	6	4	6	½	1	6	9	6
¾	2	3	6	9	¾	2	4	2	3

Ft.long.	Side 21 ½			Ft.long.	Side 21 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	2	6	1	3	3	5
2	6	5	0	2	6	6	10
3	9	7	6	3	9	10	3
4	12	10	1	4	13	1	8
5	16	0	7	5	16	5	1
6	19	3	1	6	19	8	6
7	22	5	7	7	22	11	11
8	25	8	2	8	26	3	4
9	28	10	8	9	29	6	9
10	32	1	2	10	32	10	2
11	35	3	8	11	36	1	7
12	38	6	3	12	39	5	0
13	41	8	9	13	42	8	5
14	44	11	3	14	45	11	10
15	48	1	9	15	49	3	3
16	51	4	4	16	52	6	9
17	54	6	10	17	55	10	2
18	57	9	4	18	59	1	7
19	60	11	10	19	62	5	0
20	64	2	5	20	65	8	5
21	67	4	11	21	68	11	10
22	70	7	5	22	72	3	3
23	73	9	11	23	75	6	8
24	77	0	6	24	78	10	1
25	80	3	0	25	82	1	6
26	83	5	6	26	85	4	11
27	86	8	0	27	88	8	4
28	89	10	7	28	91	11	9
29	93	1	1	29	95	3	2
30	96	3	7	30	98	6	7
31	99	6	1	31	101	10	0
32	102	8	8	32	105	1	6
33	105	11	2	33	108	4	11
34	109	1	8	34	111	8	4
35	112	4	2	35	114	11	9
36	115	6	9	36	118	3	2
37	118	9	3	37	121	6	7
38	121	11	9	38	124	10	0
39	125	2	3	39	128	1	5
40	128	4	10	40	131	4	10
41	131	7	4	41	134	8	3
42	134	9	10	42	137	11	8
43	138	0	4	43	141	3	1
44	141	2	11	44	144	6	6
45	144	5	5	45	147	9	11

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In:	Pa.	S.
¼	0	9	7	6	¼	0	9	10	3
½	1	7	3	0	½	1	7	8	6
¾	2	4	10	6	¾	2	5	6	9

Ft. long.	Side 22 In.			Ft. long.	Side 22 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	4	4	1	3	5	3
2	6	8	8	2	6	10	6
3	10	1	0	3	10	3	9
4	13	5	4	4	13	9	0
5	16	9	8	5	17	2	3
6	20	2	0	6	20	7	6
7	23	6	4	7	24	0	9
8	26	10	8	8	27	6	0
9	30	3	0	9	30	11	3
10	33	7	4	10	34	4	6
11	36	11	8	11	37	9	9
12	40	4	0	12	41	3	0
13	43	8	4	13	44	8	3
14	47	0	8	14	48	1	6
15	50	5	0	15	51	6	9
16	53	9	4	16	55	0	1
17	57	1	8	17	58	5	4
18	60	6	0	18	61	10	7
19	63	10	4	19	65	3	10
20	67	2	8	20	68	9	1
21	70	7	0	21	72	2	4
22	73	11	4	22	75	7	7
23	77	3	8	23	79	0	10
24	80	8	0	24	82	6	1
25	84	0	4	25	85	11	4
26	87	4	8	26	89	4	7
27	90	9	0	27	92	9	10
28	94	1	4	28	96	3	1
29	97	5	8	29	99	8	4
30	100	10	0	30	103	1	7
31	104	2	4	31	106	6	10
32	107	6	8	32	110	0	2
33	110	11	0	33	113	5	5
34	114	3	4	34	116	10	8
35	117	7	8	35	120	3	11
36	121	0	0	36	123	9	2
37	124	4	4	37	127	2	5
38	127	8	8	38	130	7	8
39	131	1	0	39	134	0	11
40	134	5	4	40	137	6	2
41	137	9	8	41	140	11	5
42	141	2	0	42	144	4	8
43	144	6	4	43	147	9	11
44	147	10	8	44	151	3	2
45	151	3	0	45	154	8	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	10	1	0	$\frac{1}{4}$	0	10	3	9
$\frac{1}{2}$	1	8	2	0	$\frac{1}{2}$	1	8	7	6
$\frac{3}{4}$	2	6	3	0	$\frac{3}{4}$	2	6	11	3

Ft. long.	Side 22 ½		
	Ft.	In.	Pa.
1	3	6	2
2	7	0	4
3	10	6	6
4	14	0	9
5	17	6	11
6	21	1	1
7	24	7	3
8	28	1	6
9	31	7	8
10	35	1	10
11	38	8	0
12	42	2	3
13	45	8	5
14	49	2	7
15	52	8	9
16	56	3	0
17	59	9	2
18	63	3	4
19	66	9	6
20	70	3	9
21	73	9	11
22	77	4	1
23	80	10	3
24	84	4	6
25	87	10	8
26	91	4	10
27	94	11	0
28	98	5	3
29	101	11	5
30	105	5	7
31	108	11	9
32	112	6	0
33	116	0	2
34	119	6	4
35	123	0	6
36	126	6	9
37	130	0	11
38	133	7	1
39	137	1	3
40	140	7	6
41	144	1	8
42	147	7	10
43	151	2	0
44	154	8	3
45	158	2	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	10	6	6
½	1	9	1	0
¾	2	7	7	6

Ft. long.	Side 22 ¾		
	Ft.	In.	Pa.
1	3	7	1
2	7	2	3
3	10	9	4
4	14	4	6
5	17	11	7
6	21	6	9
7	25	1	10
8	28	9	0
9	32	4	2
10	35	11	3
11	39	6	5
12	43	1	6
13	46	8	8
14	50	3	9
15	53	10	11
16	57	6	1
17	61	1	2
18	64	8	4
19	68	3	5
20	71	10	7
21	75	5	8
22	79	0	10
23	82	7	11
24	86	3	1
25	89	10	3
26	93	5	4
27	97	0	6
28	100	7	7
29	104	2	9
30	107	9	10
31	111	5	0
32	115	0	2
33	118	7	3
34	122	2	5
35	125	9	6
36	129	4	8
37	132	11	9
38	136	6	11
39	140	2	0
40	143	9	2
41	147	4	4
42	150	11	5
43	154	6	7
44	158	1	8
45	161	8	10

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	10	9	3
½	1	9	6	6
¾	2	8	3	9

Ft. long.	Side 23 In. Ft.	In.	Pa.
1	3	8	1
2	7	4	2
3	11	0	3
4	14	8	4
5	18	4	5
6	22	0	6
7	25	8	7
8	29	4	8
9	33	0	9
10	36	8	10
11	40	4	11
12	44	1	0
13	47	9	1
14	51	5	2
15	55	1	3
16	58	9	4
17	62	5	5
18	66	1	6
19	69	9	7
20	73	5	8
21	77	1	9
22	80	9	10
23	84	5	11
24	88	2	0
25	91	10	1
26	95	6	2
27	99	2	3
28	102	10	4
29	106	6	5
30	110	2	6
31	113	10	7
32	117	6	8
33	121	2	9
34	124	10	10
35	128	6	11
36	132	3	0
37	135	11	1
38	139	7	2
39	143	3	3
40	146	11	4
41	150	7	5
42	154	3	6
43	157	11	7
44	161	7	8
45	165	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	0	11	0	3
½	1	10	0	6
¾	2	9	0	9

Ft. long.	Side 23 ¼ Ft.	In.	Pa.
1	3	9	0
2	7	6	1
3	11	3	1
4	15	0	2
5	18	9	2
6	22	6	3
7	26	3	3
8	30	0	4
9	33	9	5
10	37	6	5
11	41	3	6
12	45	0	6
13	48	9	7
14	52	6	7
15	56	3	8
16	60	0	9
17	63	9	9
18	67	6	10
19	71	3	10
20	75	0	11
21	78	9	11
22	82	7	0
23	86	4	0
24	90	1	1
25	93	10	2
26	97	7	2
27	101	4	3
28	105	1	3
29	108	10	4
30	112	7	4
31	116	4	5
32	120	1	6
33	123	10	6
34	127	7	7
35	131	4	7
36	135	1	8
37	138	10	8
38	142	7	9
39	146	4	9
40	150	1	10
41	153	10	11
42	157	7	11
43	161	5	0
44	165	2	0
45	168	11	1

Quarters of a Foot.

	Ft.	In.	Pa.	S
¼	0	11	3	0
¾	1	10	6	0
½	2	9	9	0

Ft. long.	Side 23 $\frac{1}{2}$		
	Ft.	In.	Pa.
1	3	10	0
2	7	8	0
3	11	6	0
4	15	4	1
5	19	2	1
6	23	0	1
7	26	10	1
8	30	8	2
9	34	6	2
10	38	4	2
11	42	2	2
12	46	0	3
13	49	10	3
14	53	8	3
15	57	6	3
16	61	4	4
17	65	2	4
18	69	0	4
19	72	10	4
20	76	8	5
21	80	6	5
22	84	4	5
23	88	2	5
24	92	0	6
25	95	10	6
26	99	8	6
27	103	6	6
28	107	4	7
29	111	2	7
30	115	0	7
31	118	10	7
32	122	8	8
33	126	6	8
34	130	4	8
35	134	2	8
36	138	0	9
37	141	10	9
38	145	8	9
39	149	6	9
40	153	4	10
41	157	2	10
42	161	0	10
43	164	10	10
44	168	8	11
45	172	6	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	11	6	0
$\frac{1}{2}$	1	11	0	0
$\frac{3}{4}$	2	10	6	0

Ft. long.	Side 23 $\frac{3}{4}$		
	Ft.	In.	Pa.
1	3	11	0
2	7	10	0
3	11	9	0
4	15	8	0
5	19	7	0
6	23	6	0
7	27	5	0
8	31	4	0
9	35	3	0
10	39	2	0
11	43	1	0
12	47	0	0
13	50	11	0
14	54	10	0
15	58	9	0
16	62	8	1
17	66	7	1
18	70	6	1
19	74	5	1
20	78	4	1
21	82	3	1
22	86	2	1
23	90	1	1
24	94	0	1
25	97	11	1
26	101	10	1
27	105	9	1
28	109	8	1
29	113	7	1
30	117	6	1
31	121	5	1
32	125	4	2
33	129	3	2
34	133	2	2
35	137	1	2
36	141	0	2
37	144	11	2
38	148	10	2
39	152	9	2
40	156	8	2
41	160	7	2
42	164	6	2
43	168	5	2
44	172	4	2
45	176	3	2

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	11	9	0
$\frac{1}{2}$	1	11	6	0
$\frac{3}{4}$	2	11	3	0

Ft. long.	Side 24 In. Ft.	In.	Pa.
1	4	0	0
2	8	0	0
3	12	0	0
4	16	0	0
5	20	0	0
6	24	0	0
7	28	0	0
8	32	0	0
9	36	0	0
10	40	0	0
11	44	0	0
12	48	0	0
13	52	0	0
14	56	0	0
15	60	0	0
16	64	0	0
17	68	0	0
18	72	0	0
19	76	0	0
20	80	0	0
21	84	0	0
22	88	0	0
23	92	0	0
24	96	0	0
25	100	0	0
26	104	0	0
27	108	0	0
28	112	0	0
29	116	0	0
30	120	0	0
31	124	0	0
32	128	0	0
33	132	0	0
34	136	0	0
35	140	0	0
36	144	0	0
37	148	0	0
38	152	0	0
39	156	0	0
40	160	0	0
41	164	0	0
42	168	0	0
43	172	0	0
44	176	0	0
45	180	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	0	0	0
½	2	0	0	0
¾	3	0	0	0

Ft. long.	Side 24 ¼ Ft.	In.	Pa.
1	4	1	0
2	8	2	0
3	12	3	0
4	16	4	0
5	20	5	0
6	24	6	0
7	28	7	0
8	32	8	0
9	36	9	0
10	40	10	0
11	44	11	0
12	49	0	0
13	53	1	0
14	57	2	0
15	61	3	0
16	65	4	1
17	69	5	1
18	73	6	1
19	77	7	1
20	81	8	1
21	85	9	1
22	89	10	1
23	93	11	1
24	98	0	1
25	102	1	1
26	106	2	1
27	110	3	1
28	114	4	1
29	118	5	1
30	122	6	1
31	126	7	1
32	130	8	2
33	134	9	2
34	138	10	2
35	142	11	2
36	147	0	2
37	151	1	2
38	155	2	2
39	159	3	2
40	163	4	2
41	167	5	2
42	171	6	2
43	175	7	2
44	179	8	2
45	183	9	2

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	0	3	0
½	2	0	6	0
¾	3	0	9	0

Ft. long.	Side 24 $\frac{1}{2}$			Ft. long.	Side 24 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	2	0	1	4	3	0
2	8	4	0	2	8	6	1
3	12	6	0	3	12	9	1
4	16	8	1	4	17	0	2
5	20	10	1	5	21	3	2
6	25	0	1	6	25	6	3
7	29	2	1	7	29	9	3
8	33	4	2	8	34	0	4
9	37	6	2	9	38	3	5
10	41	8	2	10	42	6	5
11	45	10	2	11	46	9	6
12	50	0	3	12	51	0	6
13	54	2	3	13	55	3	7
14	58	4	3	14	59	6	7
15	62	6	3	15	63	9	8
16	66	8	4	16	68	0	9
17	70	10	4	17	72	3	9
18	75	0	4	18	76	6	10
19	79	2	4	19	80	9	10
20	83	4	5	20	85	0	11
21	87	6	5	21	89	3	11
22	91	8	5	22	93	7	0
23	95	10	5	23	97	10	0
24	100	0	6	24	102	1	1
25	104	2	6	25	106	4	2
26	108	4	6	26	110	7	2
27	112	6	6	27	114	10	3
28	116	8	7	28	119	1	3
29	120	10	7	29	123	4	4
30	125	0	7	30	127	7	4
31	129	2	7	31	131	10	5
32	133	4	8	32	136	1	6
33	137	6	8	33	140	4	6
34	141	8	8	34	144	7	7
35	145	10	8	35	148	10	7
36	150	0	9	36	153	1	8
37	154	2	9	37	157	4	8
38	158	4	9	38	161	7	9
39	162	6	9	39	165	10	9
40	166	8	10	40	170	1	10
41	170	10	10	41	174	4	11
42	175	0	10	42	178	7	11
43	179	2	10	43	182	11	0
44	183	4	11	44	187	2	0
45	187	6	11	45	191	5	1

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	0	6	0	$\frac{1}{4}$	1	0	9	0
$\frac{1}{2}$	2	1	0	0	$\frac{1}{2}$	2	1	6	0
$\frac{3}{4}$	3	1	6	0	$\frac{3}{4}$	3	2	3	0

Ft.long.	Side 25 In.		
	Ft.	In.	Pa.
1	4	4	1
2	8	8	2
3	13	0	3
4	17	4	4
5	21	8	5
6	26	0	6
7	30	4	7
8	34	8	8
9	39	0	9
10	43	4	10
11	47	8	11
12	52	1	0
13	56	5	1
14	60	9	2
15	65	1	3
16	69	5	4
17	73	9	5
18	78	1	6
19	82	5	7
20	86	9	8
21	91	1	9
22	95	5	10
23	99	9	11
24	104	2	0
25	108	6	1
26	112	10	2
27	117	2	3
28	121	6	4
29	125	10	5
30	130	2	6
31	134	6	7
32	138	10	8
33	143	2	9
34	147	6	10
35	151	10	11
36	156	3	0
37	160	7	1
38	164	11	2
39	169	3	3
40	173	7	4
41	177	11	5
42	182	3	6
43	186	7	7
44	190	11	8
45	195	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	1	0	3
$\frac{1}{2}$	2	2	0	6
$\frac{3}{4}$	3	3	0	9

Ft.long.	Side 25 $\frac{1}{4}$.		
	Ft.	In.	Pa.
1	4	5	1
2	8	10	3
3	13	3	4
4	17	8	6
5	22	1	7
6	26	6	9
7	30	11	10
8	35	5	0
9	39	10	2
10	44	3	3
11	48	8	5
12	53	1	6
13	57	6	8
14	61	11	9
15	66	4	11
16	70	10	1
17	75	3	2
18	79	8	4
19	84	1	5
20	88	6	7
21	92	11	8
22	97	4	10
23	101	9	11
24	106	3	1
25	110	8	3
26	115	1	4
27	119	6	6
28	123	11	7
29	128	4	9
30	132	9	10
31	137	3	0
32	141	8	2
33	146	1	3
34	150	6	5
35	154	11	6
36	159	4	8
37	163	9	9
38	168	2	11
39	172	8	0
40	177	1	2
41	181	6	4
42	185	11	5
43	190	4	7
44	194	9	8
45	199	2	10

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	1	3	3
$\frac{1}{2}$	2	2	6	6
$\frac{3}{4}$	3	3	9	9

Ft. long.	Side 25 ½			Ft. long.	Side 25 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	6	2	1	4	7	3
2	9	0	4	2	9	2	6
3	13	6	6	3	13	9	9
4	18	0	9	4	18	5	0
5	22	6	11	5	23	0	3
6	27	1	1	6	27	7	6
7	31	7	3	7	32	2	9
8	36	1	6	8	36	10	0
9	40	7	8	9	41	5	3
10	45	1	10	10	46	0	6
11	49	8	0	11	50	7	9
12	54	2	3	12	55	3	0
13	58	8	5	13	59	10	3
14	63	2	7	14	64	5	6
15	67	8	9	15	69	0	9
16	72	3	0	16	73	8	1
17	76	9	2	17	78	3	4
18	81	3	4	18	82	10	7
19	85	9	6	19	87	5	10
20	90	3	9	20	92	1	1
21	94	9	11	21	96	8	4
22	99	4	1	22	101	3	7
23	103	10	3	23	105	10	10
24	108	4	6	24	110	6	1
25	112	10	8	25	115	1	4
26	117	4	10	26	119	8	7
27	121	11	0	27	124	3	10
28	126	5	3	28	128	11	1
29	130	11	5	29	133	6	4
30	135	5	7	30	138	1	7
31	139	11	9	31	142	8	10
32	144	6	0	32	147	4	2
33	149	0	2	33	151	11	5
34	153	6	4	34	156	6	8
35	158	0	6	35	161	1	11
36	162	6	9	36	165	9	2
37	167	0	11	37	170	4	5
38	171	7	1	38	174	11	8
39	176	1	3	39	179	6	11
40	180	7	6	40	184	2	2
41	185	1	8	41	188	9	5
42	189	7	10	42	193	4	8
43	194	2	0	43	197	11	11
44	198	8	3	44	202	7	2
45	203	2	5	45	207	2	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	0	6	6	¼	1	1	9	9
½	2	3	1	0	½	2	3	7	6
¾	3	4	7	6	¾	3	5	5	3

Ft.long.	Side 26 In.			Ft.long.	Side 26 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	8	4	1	4	9	5
2	9	4	8	2	9	6	10
3	14	1	0	3	14	4	3
4	18	9	4	4	19	1	8
5	23	5	8	5	23	11	1
6	28	2	0	6	28	8	6
7	32	10	4	7	33	5	11
8	37	6	8	8	38	3	4
9	42	3	0	9	43	0	9
10	46	11	4	10	47	10	2
11	51	7	8	11	52	7	7
12	56	4	0	12	57	5	0
13	61	0	4	13	62	2	5
14	65	8	8	14	66	11	10
15	70	5	0	15	71	9	3
16	75	1	4	16	76	6	9
17	79	9	8	17	81	4	2
18	84	6	0	18	86	1	7
19	89	2	4	19	90	11	0
20	93	10	8	20	95	8	5
21	98	7	0	21	100	5	10
22	103	3	4	22	105	3	3
23	107	11	8	23	110	0	8
24	112	8	0	24	114	10	1
25	117	4	4	25	119	7	6
26	122	0	8	26	124	4	11
27	126	9	0	27	129	2	4
28	131	5	4	28	133	11	9
29	136	1	8	29	138	9	2
30	140	10	0	30	143	6	7
31	145	6	4	31	148	4	0
32	150	2	8	32	153	1	5
33	154	11	0	33	157	10	11
34	159	7	4	34	162	8	5
35	164	3	8	35	167	5	9
36	169	0	0	36	172	3	2
37	173	8	4	37	177	0	7
38	178	4	8	38	181	10	0
39	183	1	0	39	186	7	5
40	187	9	4	40	191	4	10
41	192	5	8	41	196	2	3
42	197	2	0	42	200	11	8
43	201	10	4	43	205	9	1
44	206	6	8	44	210	6	6
45	211	3	0	45	215	3	11

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	2	1	0	¼	1	2	4	3
½	2	4	2	0	½	2	5	8	6
¾	3	6	3	0	¾	3	7	0	9

Ft. long.	Side 26 ½ Ft.	In.	Pa.	Ft. long.	Side 26 ¾ Ft.	In.	Pa.
1	4	10	6	1	4	11	7
2	9	9	0	2	9	11	3
3	14	7	6	3	14	10	10
4	19	6	1	4	19	10	6
5	24	4	7	5	24	10	1
6	29	3	1	6	29	9	9
7	34	1	7	7	34	9	4
8	39	0	2	8	39	9	0
9	43	10	8	9	44	8	8
10	48	9	2	10	49	8	3
11	53	7	8	11	54	7	11
12	58	6	3	12	59	7	6
13	63	4	9	13	64	7	2
14	68	3	3	14	69	6	9
15	73	1	9	15	74	6	5
16	78	0	4	16	79	6	1
17	82	10	10	17	84	5	8
18	87	9	4	18	89	5	4
19	92	7	10	19	94	4	11
20	97	6	5	20	99	4	7
21	102	4	11	21	104	4	2
22	107	3	5	22	109	3	10
23	112	1	11	23	114	3	5
24	117	0	6	24	119	3	1
25	121	11	0	25	124	2	9
26	126	9	6	26	129	2	4
27	131	8	0	27	134	2	0
28	136	6	7	28	139	1	7
29	141	5	1	29	144	1	3
30	146	3	7	30	149	0	10
31	151	2	1	31	154	10	6
32	156	0	8	32	159	10	2
33	160	11	2	33	163	11	9
34	165	9	8	34	168	11	5
35	170	8	2	35	173	11	0
36	175	6	9	36	178	10	8
37	180	5	3	37	183	10	3
38	185	3	9	38	188	9	11
39	190	2	3	39	193	9	6
40	195	0	10	40	198	9	2
41	199	11	4	41	203	8	10
42	204	9	10	42	208	8	5
43	209	8	4	43	213	8	1
44	214	6	11	44	218	7	8
45	219	5	5	45	223	7	4

Quarters of a Foot.

	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	2	7	6	¼	1	2	10	9
½	2	5	3	0	½	2	5	9	6
¾	3	7	10	6	¾	3	8	8	3

Ft. long.	Side 27 In.		
	Ft.	In.	Pa.
1	5	0	9
2	10	1	6
3	15	2	3
4	20	3	0
5	25	3	9
6	30	4	6
7	35	5	3
8	40	6	0
9	45	6	9
10	50	7	6
11	55	8	3
12	60	9	0
13	65	9	9
14	70	10	6
15	75	11	3
16	81	0	0
17	86	0	9
18	91	1	6
19	96	2	3
20	101	3	0
21	106	3	9
22	111	4	6
23	116	5	3
24	121	6	0
25	126	6	9
26	131	7	6
27	136	8	3
28	141	9	0
29	146	9	9
30	151	10	6
31	156	11	3
32	162	0	0
33	167	0	9
34	172	1	6
35	177	2	3
36	182	3	0
37	187	3	9
38	192	4	6
39	197	5	3
40	202	6	0
41	207	6	9
42	212	7	6
43	217	8	3
44	222	9	0
45	227	9	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	3	2	3
½	2	6	4	6
¾	3	9	6	9

Ft. long.	Side 27 ¼		
	Ft.	In.	Pa.
1	5	1	10
2	10	3	9
3	15	5	7
4	20	7	6
5	25	9	4
6	30	11	3
7	36	1	1
8	41	3	0
9	46	4	11
10	51	6	9
11	56	8	8
12	61	10	6
13	67	0	5
14	72	2	3
15	77	4	2
16	82	6	1
17	87	7	11
18	92	9	10
19	97	11	8
20	103	1	7
21	108	3	5
22	113	5	4
23	118	7	2
24	123	9	1
25	128	11	0
26	134	0	10
27	139	2	9
28	144	4	7
29	149	6	6
30	154	8	4
31	159	10	3
32	165	0	2
33	170	2	0
34	175	3	11
35	180	5	9
36	185	7	8
37	190	9	6
38	195	11	5
39	201	1	3
40	206	3	2
41	211	5	1
42	216	6	11
43	221	8	10
44	226	10	8
45	232	0	7

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	3	5	6
½	2	6	11	0
¾	3	10	4	6

Ft. long.	Side 27 ½			Ft. long.	Side 27 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	3	0	1	5	4	2
2	10	6	0	2	10	8	4
3	15	9	0	3	16	0	6
4	21	0	1	4	21	4	8
5	26	3	1	5	26	8	10
6	31	6	1	6	32	1	0
7	36	9	1	7	37	5	2
8	42	0	2	8	42	9	4
9	47	3	2	9	48	1	6
10	52	6	2	10	53	5	8
11	57	9	2	11	58	9	10
12	63	0	3	12	64	2	0
13	68	3	3	13	69	6	2
14	73	6	3	14	74	10	4
15	78	9	3	15	80	2	6
16	84	0	4	16	85	6	9
17	89	3	4	17	90	10	11
18	94	6	4	18	96	3	1
19	99	9	4	19	101	7	3
20	105	0	5	20	106	11	5
21	110	3	5	21	112	3	7
22	115	6	5	22	117	7	9
23	120	9	5	23	122	11	11
24	126	0	6	24	128	4	1
25	131	3	6	25	133	8	3
26	136	6	6	26	139	0	5
27	141	9	6	27	144	4	7
28	147	0	7	28	149	8	9
29	152	3	7	29	155	0	11
30	157	6	7	30	160	5	1
31	162	9	7	31	165	9	3
32	168	0	8	32	171	1	6
33	173	3	8	33	176	5	8
34	178	6	8	34	181	9	10
35	183	9	8	35	187	2	0
36	189	0	9	36	192	6	2
37	194	3	9	37	197	10	4
38	199	6	9	38	203	2	6
39	204	9	9	39	208	6	8
40	210	0	10	40	213	10	10
41	215	3	10	41	219	3	0
42	220	6	10	42	224	7	2
43	225	9	10	43	229	11	4
44	231	0	11	44	235	3	6
45	236	3	11	45	240	7	8

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	3	9	0	¼	1	4	0	6
½	2	7	6	0	½	2	8	1	0
¾	3	11	3	0	¾	4	0	1	6

Ft.long.	Side 28 In.			Ft.long.	Side 28 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	5	4	1	5	6	6
2	10	10	8	2	11	1	0
3	16	4	0	3	16	7	6
4	21	9	4	4	22	2	0
5	27	2	8	5	27	8	6
6	32	8	0	6	33	3	0
7	38	1	4	7	38	9	6
8	43	6	8	8	44	4	0
9	49	0	0	9	49	10	6
10	54	5	4	10	55	5	0
11	59	10	8	11	60	11	6
12	65	4	0	12	66	6	0
13	70	9	4	13	72	0	6
14	76	2	8	14	77	7	0
15	81	8	0	15	83	1	6
16	87	1	4	16	88	8	1
17	92	6	8	17	94	2	7
18	98	0	0	18	99	9	1
19	103	5	4	19	105	3	7
20	108	10	8	20	110	10	1
21	114	4	0	21	116	4	7
22	119	9	4	22	121	11	1
23	125	2	8	23	127	5	7
24	130	8	0	24	133	0	1
25	136	1	4	25	138	6	7
26	141	6	8	26	144	1	1
27	147	0	0	27	149	7	7
28	152	5	4	28	155	2	1
29	157	10	8	29	160	8	7
30	163	4	0	30	166	3	1
31	168	9	4	31	171	9	7
32	174	2	8	32	177	4	2
33	179	8	0	33	182	10	8
34	185	1	4	34	188	5	2
35	190	6	8	35	193	11	8
36	196	0	0	36	199	6	2
37	201	5	4	37	205	0	8
38	206	10	8	38	210	7	2
39	212	4	0	39	216	1	8
40	217	9	4	40	221	8	2
41	223	2	8	41	227	2	8
42	228	8	0	42	232	9	2
43	234	1	4	43	238	3	8
44	239	6	8	44	243	10	2
45	245	0	0	45	249	4	8

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	4	4	0	$\frac{1}{4}$	1	4	7	6
$\frac{1}{2}$	2	8	8	0	$\frac{1}{2}$	2	9	3	0
$\frac{3}{4}$	4	1	0	0	$\frac{3}{4}$	4	1	10	6

Ft. long.	Side 28 ½		
	Ft.	In.	Pa.
1	5	7	8
2	11	3	4
3	16	11	0
4	22	6	9
5	28	2	5
6	33	10	1
7	39	5	9
8	45	1	6
9	50	9	2
10	56	4	10
11	62	0	6
12	67	8	3
13	73	3	11
14	78	11	7
15	84	7	3
16	90	3	0
17	95	10	8
18	101	6	4
19	107	2	0
20	112	9	9
21	118	5	5
22	124	1	1
23	129	8	9
24	135	4	6
25	141	0	2
26	146	7	10
27	152	3	6
28	157	11	3
29	163	6	11
30	169	2	7
31	174	10	3
32	180	6	0
33	186	1	8
34	191	9	4
35	197	5	0
36	203	0	9
37	208	8	5
38	214	4	1
39	219	11	9
40	225	7	6
41	231	3	2
42	236	10	10
43	242	6	6
44	248	2	3
45	253	9	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	4	11	0
$\frac{1}{2}$	2	9	10	0
$\frac{3}{4}$	4	2	9	0

Ft. long.	Side 28 ¾		
	Ft.	In.	Pa.
1	5	8	10
2	11	5	9
3	17	2	7
4	22	11	6
5	28	8	4
6	34	5	3
7	40	2	1
8	45	11	0
9	51	7	11
10	57	4	9
11	63	1	8
12	68	10	6
13	74	7	5
14	80	4	3
15	86	1	2
16	91	10	1
17	97	6	11
18	103	3	10
19	109	0	8
20	114	9	7
21	120	6	5
22	126	3	4
23	132	0	2
24	137	9	1
25	143	6	0
26	149	2	10
27	154	11	9
28	160	8	7
29	166	5	6
30	172	2	4
31	177	11	3
32	183	8	2
33	189	5	0
34	195	1	11
35	200	10	9
36	206	7	8
37	212	4	6
38	218	1	5
39	223	10	3
40	229	7	2
41	235	4	1
42	241	0	11
43	246	9	10
44	252	6	9
45	258	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	5	2	6
$\frac{1}{2}$	2	10	5	0
$\frac{3}{4}$	4	3	7	6

Ft. long.	Side 29 In. Ft.	In.	Pa.
1	5	10	1
2	11	8	2
3	17	6	3
4	23	4	4
5	29	2	5
6	35	0	6
7	40	10	7
8	46	8	8
9	52	6	9
10	58	4	10
11	64	2	11
12	70	1	0
13	75	11	1
14	81	9	2
15	87	7	3
16	93	5	4
17	99	3	5
18	105	1	6
19	110	11	7
20	116	9	8
21	122	7	9
22	128	5	10
23	134	3	11
24	140	2	0
25	146	0	1
26	151	10	2
27	157	8	3
28	163	6	4
29	169	4	5
30	175	2	6
31	181	0	7
32	186	10	8
33	192	8	9
34	198	6	10
35	204	4	11
36	210	3	0
37	216	1	1
38	221	11	2
39	227	9	3
40	233	7	4
41	239	5	5
42	245	3	6
43	251	1	7
44	256	11	8
45	262	9	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	5	6	3
½	2	11	0	6
¾	4	4	6	9

Ft. long.	Side 29 ¼ Ft.	In.	Pa.
1	5	11	3
2	11	10	7
3	17	9	10
4	23	9	2
5	29	8	5
6	35	7	9
7	41	7	0
8	47	6	4
9	53	5	8
10	59	4	11
11	65	4	3
12	71	3	6
13	77	2	10
14	83	2	1
15	89	1	5
16	95	0	9
17	101	0	0
18	106	11	4
19	112	10	7
20	118	9	11
21	124	9	2
22	130	8	6
23	136	7	9
24	142	7	1
25	148	6	5
26	154	5	8
27	160	5	0
28	166	4	3
29	172	3	7
30	178	2	10
31	184	2	2
32	190	1	6
33	196	0	9
34	202	0	1
35	207	11	4
36	213	10	8
37	219	9	11
38	225	9	3
39	231	8	6
40	237	7	10
41	243	7	2
42	249	6	5
43	255	6	9
44	261	5	0
45	267	4	4

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	5	9	9
½	2	11	7	6
¾	4	5	5	3

Ft. long.	Side 29 ½ Ft.	In.	Pa.
1	6	0	6
2	12	1	0
3	18	1	6
4	24	2	1
5	30	2	7
6	36	3	1
7	42	3	7
8	48	4	2
9	54	4	8
10	60	5	2
11	66	5	8
12	72	6	3
13	78	6	9
14	84	7	3
15	90	7	9
16	96	8	4
17	102	8	10
18	108	9	4
19	114	9	10
20	120	10	5
21	126	10	11
22	132	11	5
23	138	11	11
24	145	0	6
25	151	1	0
26	157	1	6
27	163	2	0
28	169	2	7
29	175	3	1
30	181	3	7
31	187	4	1
32	193	4	8
33	199	5	2
34	205	5	8
35	211	6	2
36	217	6	9
37	223	7	3
38	229	7	9
39	235	8	3
40	241	8	10
41	247	9	4
42	253	9	10
43	259	10	4
44	265	10	11
45	271	11	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	6	1	6
½	3	0	3	0
¾	4	6	4	6

Ft. long.	Side 29 ¾ Ft.	In.	Pa.
1	6	1	9
2	12	3	6
3	18	5	3
4	24	7	0
5	30	8	9
6	36	10	6
7	43	0	3
8	49	2	0
9	55	3	9
10	61	5	6
11	67	7	3
12	73	9	0
13	79	10	9
14	86	0	6
15	92	2	3
16	98	4	1
17	104	5	10
18	110	7	7
19	116	9	4
20	122	11	1
21	129	0	10
22	135	2	7
23	141	4	4
24	147	6	1
25	153	7	10
26	159	9	7
27	165	11	4
28	172	1	1
29	178	2	10
30	184	4	7
31	190	6	4
32	196	8	2
33	202	9	11
34	208	11	8
35	215	1	5
36	221	3	2
37	227	4	11
38	233	6	8
39	239	8	5
40	245	10	2
41	251	11	11
42	258	1	8
43	264	3	5
44	270	5	2
45	276	6	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	6	5	3
½	3	0	10	6
¾	4	7	3	9

Ft. long.	Side 30 In.		
	Ft.	In.	Pa.
1	6	3	0
2	12	6	0
3	18	9	0
4	25	0	0
5	31	3	0
6	37	6	0
7	43	9	0
8	50	0	0
9	56	3	0
10	62	6	0
11	68	9	0
12	75	0	0
13	81	3	0
14	87	6	0
15	93	9	0
16	100	0	0
17	106	3	0
18	112	6	0
19	118	9	0
20	125	0	0
21	131	3	0
22	137	6	0
23	143	9	0
24	150	0	0
25	156	3	0
26	162	6	0
27	168	9	0
28	175	0	0
29	181	3	0
30	187	6	0
31	193	9	0
32	200	0	0
33	206	3	0
34	212	6	0
35	218	9	0
36	225	0	0
37	231	3	0
38	237	6	0
39	243	9	0
40	250	0	0
41	256	3	0
42	262	6	0
43	268	9	0
44	275	0	0
45	281	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	1	6	9	0
1/2	3	1	6	0
3/4	4	8	3	0

Ft. long.	Side 30 1/4		
	Ft.	In.	Pa.
1	6	4	3
2	12	8	6
3	19	0	9
4	25	5	0
5	31	9	3
6	38	5	6
7	44	1	9
8	50	10	0
9	57	2	3
10	63	6	6
11	69	10	9
12	76	3	0
13	82	7	3
14	88	11	6
15	95	3	9
16	101	8	1
17	108	0	4
18	114	4	7
19	120	8	10
20	127	1	1
21	133	5	4
22	139	9	7
23	146	1	10
24	152	6	1
25	158	10	4
26	165	2	7
27	171	6	10
28	177	11	1
29	184	3	4
30	190	7	7
31	196	11	10
32	203	4	2
33	209	8	5
34	216	0	8
35	222	4	11
36	228	9	2
37	235	1	5
38	241	5	8
39	247	9	11
40	254	2	2
41	260	6	5
42	266	10	8
43	273	2	2
44	279	7	11
45	285	11	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	1	7	0	9
1/2	3	2	1	6
3/4	4	9	2	3

Ft. long.	Side 30 ½		
	Ft.	In.	Pa.
1	6	5	6
2	12	11	0
3	19	4	6
4	25	10	1
5	32	3	7
6	38	9	1
7	45	2	7
8	51	8	2
9	58	1	8
10	64	7	2
11	71	0	8
12	77	6	3
13	83	11	9
14	90	5	3
15	96	10	9
16	103	4	4
17	109	9	10
18	116	3	4
19	122	8	10
20	129	2	5
21	135	7	11
22	142	1	5
23	148	6	11
24	155	0	6
25	161	6	0
26	167	11	6
27	174	5	0
28	180	10	7
29	187	4	1
30	193	9	7
31	200	3	1
32	206	8	8
33	213	2	2
34	219	7	8
35	226	1	2
36	232	6	9
37	239	0	3
38	245	5	9
39	251	11	3
40	258	4	10
41	264	10	4
42	271	3	10
43	277	9	4
44	284	2	11
45	290	8	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	7	4	6
½	3	2	9	0
¾	4	10	1	6

Ft. long.	Side 30 ¾		
	Ft.	In.	Pa.
1	6	6	9
2	13	1	7
3	19	8	4
4	25	3	2
5	32	9	11
6	39	4	9
7	45	11	6
8	52	6	4
9	59	1	2
10	65	7	11
11	72	2	9
12	78	9	6
13	85	4	4
14	91	11	1
15	98	5	11
16	105	0	9
17	111	7	6
18	118	2	4
19	124	9	1
20	131	3	11
21	137	10	8
22	144	5	6
23	151	0	3
24	157	7	1
25	164	1	11
26	170	8	8
27	177	3	6
28	183	10	3
29	190	5	1
30	196	11	10
31	203	6	8
32	210	1	6
33	216	8	3
34	223	3	1
35	229	9	10
36	236	4	8
37	242	11	5
38	249	6	3
39	256	1	0
40	262	7	10
41	269	2	8
42	275	9	5
43	282	4	3
44	288	11	0
45	295	5	10

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	7	8	3
½	3	3	4	6
¾	4	11	0	9

Ft. long.	Side 31 In.		
	Ft.	In.	Pa.
1	6	8	1
2	13	4	2
3	20	0	3
4	26	8	4
5	33	4	5
6	40	0	6
7	46	8	7
8	53	4	8
9	60	0	9
10	66	8	10
11	73	4	11
12	80	1	0
13	86	9	1
14	93	5	2
15	100	1	3
16	106	9	4
17	113	5	5
18	120	1	6
19	126	9	7
20	133	5	8
21	140	1	9
22	146	9	10
23	153	5	11
24	160	2	0
25	166	10	1
26	173	6	2
27	180	2	3
28	186	10	4
29	193	6	5
30	200	2	6
31	206	10	7
32	213	6	8
33	220	2	9
34	226	10	10
35	233	6	11
36	240	3	0
37	246	11	1
38	253	7	2
39	260	3	3
40	266	11	4
41	273	7	5
42	280	3	6
43	286	11	7
44	293	7	8
45	300	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	8	0	3
$\frac{1}{2}$	3	4	0	6
$\frac{3}{4}$	5	0	0	9

Ft. long.	Side 31 ¼		
	Ft.	In.	Pa.
1	6	9	4
2	13	6	9
3	20	4	1
4	27	1	6
5	33	10	10
6	40	8	3
7	47	5	7
8	54	3	0
9	61	0	5
10	67	9	9
11	74	7	2
12	81	4	6
13	88	1	11
14	94	11	3
15	101	8	8
16	108	6	1
17	115	3	5
18	122	0	10
19	128	10	2
20	135	7	7
21	142	4	11
22	149	2	4
23	155	11	8
24	162	9	1
25	169	6	6
26	176	3	10
27	183	1	3
28	189	10	7
29	196	8	0
30	203	5	4
31	210	2	9
32	217	0	2
33	223	9	6
34	230	6	11
35	237	4	3
36	244	1	8
37	250	11	0
38	257	8	5
39	264	5	9
40	271	3	2
41	278	0	7
42	284	9	11
43	291	7	4
44	298	4	8
45	305	2	1

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	1	8	4	0
$\frac{1}{2}$	3	4	8	0
$\frac{3}{4}$	5	1	0	0

Ft. long.	Side 31 ½			Ft. long.	Side 31 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	10	8	1	7	0	0
2	13	9	4	2	14	0	0
3	20	8	0	3	21	0	0
4	27	6	9	4	28	0	0
5	34	5	5	5	35	0	0
6	41	4	1	6	42	0	0
7	48	2	9	7	49	0	0
8	55	1	6	8	56	0	0
9	62	0	2	9	63	0	0
10	68	10	10	10	70	0	0
11	75	9	6	11	77	0	0
12	82	8	3	12	84	0	0
13	89	6	11	13	91	0	0
14	96	5	7	14	98	0	0
15	103	4	3	15	105	0	0
16	110	3	0	16	112	0	1
17	117	1	8	17	119	0	1
18	124	0	4	18	126	0	1
19	130	11	0	19	133	0	1
20	137	9	9	20	140	0	1
21	144	8	5	21	147	0	1
22	151	7	1	22	154	0	1
23	158	5	9	23	161	0	1
24	165	4	6	24	168	0	1
25	172	3	2	25	175	0	1
26	179	1	10	26	182	0	1
27	186	0	6	27	189	0	1
28	192	11	3	28	196	0	1
29	199	9	11	29	203	0	1
30	206	8	7	30	210	0	1
31	213	7	3	31	217	0	1
32	220	6	0	32	224	0	2
33	227	4	8	33	231	0	2
34	234	3	4	34	238	0	2
35	241	2	0	35	245	0	2
36	248	0	9	36	252	0	2
37	254	11	5	37	259	0	2
38	261	10	1	38	266	0	2
39	268	8	9	39	273	0	2
40	275	7	6	40	280	0	2
41	282	6	2	41	287	0	2
42	289	4	10	42	294	0	2
43	296	3	6	43	301	0	2
44	303	2	3	44	308	0	2
45	310	0	11	45	315	0	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	8	8	0	¼	1	9	0	0
½	3	5	4	0	½	3	6	0	0
¾	5	2	0	0	¾	5	3	0	0

Ft. long.	Side 32 In.		
	Ft.	In.	Pa.
1	7	1	4
2	14	2	8
3	21	4	0
4	28	5	4
5	35	6	8
6	42	8	0
7	49	9	4
8	56	10	8
9	64	0	0
10	71	1	4
11	78	2	8
12	85	4	0
13	92	5	4
14	99	6	8
15	106	8	0
16	113	9	4
17	120	10	8
18	128	0	0
19	135	1	4
20	142	2	8
21	149	4	0
22	156	5	4
23	163	6	8
24	170	8	0
25	177	9	4
26	184	10	8
27	192	0	0
28	199	1	4
29	206	2	8
30	213	4	0
31	220	5	4
32	227	6	8
33	234	8	0
34	241	9	4
35	248	10	8
36	256	0	0
37	263	1	4
38	270	2	8
39	277	4	0
40	284	5	4
41	291	6	8
42	298	8	0
43	305	9	4
44	312	10	8
45	320	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	1	9	4	0
1/2	3	6	8	0
3/4	5	4	0	0

Ft. long.	Side 32 1/4		
	Ft.	In.	Pa.
1	7	2	8
2	14	5	4
3	21	8	0
4	28	10	8
5	36	1	4
6	43	4	0
7	50	6	8
8	57	9	4
9	65	0	0
10	72	2	8
11	79	5	4
12	86	8	0
13	93	10	8
14	101	1	4
15	108	4	0
16	115	6	9
17	122	9	5
18	130	0	1
19	137	2	9
20	144	5	5
21	151	8	1
22	158	10	9
23	166	1	5
24	173	4	1
25	180	6	9
26	187	9	5
27	195	0	1
28	202	2	9
29	209	5	5
30	216	8	1
31	223	10	9
32	231	1	6
33	238	4	2
34	245	6	10
35	252	9	6
36	260	0	2
37	267	2	10
38	274	5	6
39	281	8	2
40	288	10	10
41	296	1	6
42	303	4	2
43	310	6	10
44	317	9	6
45	325	0	2

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	1	9	8	0
1/2	3	7	4	0
3/4	5	5	0	0

Ft. long.	Side 32 ½			Ft. long.	Side 32 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	4	0	1	7	5	4
2	14	8	0	2	14	10	9
3	22	0	0	3	22	4	1
4	29	4	1	4	29	9	6
5	36	8	1	5	37	2	10
6	44	0	1	6	44	8	3
7	51	4	1	7	52	1	7
8	58	8	2	8	59	7	0
9	66	0	2	9	67	0	5
10	73	4	2	10	74	5	9
11	80	8	2	11	81	11	2
12	88	0	3	12	89	4	6
13	95	4	3	13	96	9	11
14	102	8	3	14	104	3	3
15	110	0	3	15	111	8	8
16	117	4	4	16	119	2	1
17	124	8	4	17	126	7	5
18	132	0	4	18	134	0	10
19	139	4	4	19	141	6	2
20	146	8	5	20	148	11	7
21	154	0	5	21	156	4	11
22	161	4	5	22	163	10	4
23	168	8	5	23	171	3	8
24	176	0	6	24	178	9	1
25	183	4	6	25	186	2	6
26	190	8	6	26	193	7	10
27	198	0	6	27	201	1	3
28	205	4	7	28	208	6	7
29	212	8	7	29	216	0	0
30	220	0	7	30	223	5	4
31	227	4	7	31	230	10	9
32	234	8	8	32	238	4	2
33	242	0	8	33	245	9	6
34	249	4	8	34	253	2	11
35	256	8	8	35	260	8	3
36	264	0	9	36	268	1	8
37	271	4	9	37	275	7	0
38	278	8	9	38	283	0	5
39	286	0	9	39	290	5	9
40	293	4	10	40	297	11	2
41	300	8	10	41	305	4	7
42	308	0	10	42	312	9	11
43	315	4	10	43	320	3	4
44	322	8	11	44	327	8	8
45	330	0	11	45	335	2	1

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	10	0	0	¼	1	10	4	0
½	3	8	0	0	½	3	8	8	0
¾	5	6	0	0	¾	5	7	0	0

Ft. long.	Side 33 in.			Ft. long.	Side 33¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	6	9	1	7	8	1
2	15	1	6	2	15	4	3
3	22	8	3	3	23	0	4
4	30	3	0	4	30	8	6
5	37	9	9	5	38	4	7
6	45	4	6	6	46	0	9
7	52	11	3	7	53	8	10
8	60	6	0	8	61	5	0
9	68	0	9	9	69	1	2
10	75	7	6	10	76	9	3
11	83	2	3	11	84	5	5
12	90	9	0	12	92	1	6
13	98	3	9	13	99	9	8
14	105	10	6	14	107	5	9
15	113	5	3	15	115	1	11
16	121	0	0	16	122	10	1
17	128	6	9	17	130	6	2
18	136	1	6	18	138	2	4
19	143	8	3	19	145	10	5
20	151	3	0	20	153	6	7
21	158	9	9	21	161	2	8
22	166	4	6	22	168	10	10
23	173	11	3	23	176	6	11
24	181	6	0	24	184	3	1
25	189	0	9	25	191	11	3
26	196	7	6	26	199	7	4
27	204	2	3	27	207	3	6
28	211	9	0	28	214	11	7
29	219	3	9	29	222	7	9
30	226	10	6	30	230	3	10
31	234	5	3	31	238	0	0
32	242	0	0	32	245	8	2
33	249	6	9	33	253	4	3
34	257	1	6	34	261	0	5
35	264	8	3	35	268	8	6
36	272	3	0	36	276	4	8
37	279	9	9	37	284	0	9
38	287	4	6	38	291	8	11
39	294	11	3	39	299	5	0
40	302	6	0	40	307	1	2
41	310	0	9	41	314	9	4
42	317	7	6	42	322	5	5
43	325	2	3	43	330	1	7
44	332	9	0	44	337	9	8
45	340	3	9	45	345	5	10

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	1	10	8	3	¼	1	11	0	3
½	3	9	4	6	½	3	10	0	6
¾	5	8	0	9	¾	5	9	0	9

Ft. long.	Side 33 ½		
	Ft.	In.	Pa.
1	7	9	6
2	15	7	0
3	23	4	6
4	31	2	1
5	38	11	7
6	46	9	1
7	54	6	7
8	62	4	2
9	70	1	8
10	77	11	2
11	85	8	8
12	93	6	3
13	101	3	9
14	109	1	3
15	116	10	9
16	124	8	4
17	132	5	10
18	140	3	4
19	148	0	10
20	155	10	5
21	163	7	11
22	171	5	5
23	179	2	11
24	187	0	6
25	194	10	0
26	202	7	6
27	210	5	0
28	218	2	7
29	226	0	1
30	233	9	7
31	241	7	1
32	249	4	8
33	257	2	2
34	264	11	8
35	272	9	2
36	280	6	9
37	288	4	3
38	296	1	9
39	303	11	3
40	311	8	10
41	319	6	4
42	327	3	10
43	335	1	4
44	342	10	11
45	350	8	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	11	4	6
½	3	10	9	0
¾	5	10	1	6

Ft. long.	Side 33 ¾		
	Ft.	In.	Pa.
1	7	10	11
2	15	9	10
3	23	8	9
4	31	7	8
5	39	6	7
6	47	5	6
7	55	4	5
8	63	3	4
9	71	2	3
10	79	1	2
11	87	0	1
12	94	11	0
13	102	9	11
14	110	8	10
15	118	7	9
16	126	6	9
17	134	5	8
18	142	4	7
19	150	3	6
20	158	2	5
21	166	1	4
22	174	0	3
23	181	11	2
24	189	10	1
25	197	9	0
26	205	7	11
27	213	6	10
28	221	5	9
29	229	4	8
30	237	3	7
31	245	2	6
32	253	1	6
33	261	0	5
34	268	11	4
35	276	10	3
36	284	9	2
37	292	8	1
38	300	7	0
39	308	5	11
40	316	4	10
41	324	3	9
42	332	2	8
43	340	1	7
44	348	0	6
45	355	11	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	1	11	8	9
½	3	11	5	6
¾	5	11	2	3

Ft. long.	Side 34 In.			Ft. long.	Side 34 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	0	4	1	8	1	9
2	16	0	8	2	16	3	6
3	24	1	0	3	24	5	3
4	32	1	4	4	32	7	0
5	40	1	8	5	40	8	9
6	48	2	0	6	48	10	6
7	56	2	4	7	57	0	3
8	64	2	8	8	65	2	0
9	72	3	0	9	73	3	9
10	80	3	4	10	81	5	6
11	88	3	8	11	89	7	3
12	96	4	0	12	97	9	0
13	104	4	4	13	105	10	9
14	112	4	8	14	114	0	6
15	120	5	0	15	122	2	3
16	128	5	4	16	130	4	1
17	136	5	8	17	138	5	10
18	144	6	0	18	146	7	7
19	152	6	4	19	154	9	4
20	160	6	8	20	162	11	1
21	168	7	0	21	171	0	10
22	176	7	4	22	179	2	7
23	184	7	8	23	187	4	4
24	192	8	0	24	195	6	1
25	200	8	4	25	203	7	10
26	208	8	8	26	211	9	7
27	216	9	0	27	219	11	4
28	224	9	4	28	228	1	1
29	232	9	8	29	236	2	10
30	240	10	0	30	244	4	7
31	248	10	4	31	252	6	4
32	256	10	8	32	260	8	2
33	264	11	0	33	268	9	11
34	272	11	4	34	276	11	8
35	280	11	8	35	285	1	5
36	289	0	0	36	293	3	2
37	297	0	4	37	301	4	11
38	305	0	8	38	309	6	8
39	313	1	0	39	317	8	5
40	321	1	4	40	325	10	2
41	329	1	8	41	333	11	11
42	337	2	0	42	342	1	8
43	345	2	4	43	350	3	5
44	353	2	8	44	358	5	2
45	361	3	0	45	366	6	11

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	2	0	1	0	¼	2	0	5	3
½	4	0	2	0	½	4	0	10	6
¾	6	0	3	0	¾	6	1	3	9

Ft. long.	Side 34 ½			Ft. long.	Side 34 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	3	2	1	8	4	7
2	16	6	4	2	16	9	3
3	24	9	6	3	25	1	10
4	33	0	9	4	33	6	6
5	41	3	11	5	41	11	1
6	49	7	1	6	50	3	9
7	57	10	3	7	58	8	4
8	66	1	6	8	67	1	0
9	74	4	8	9	75	5	8
10	82	7	10	10	83	10	3
11	90	11	0	11	92	2	11
12	99	2	3	12	100	7	6
13	107	5	5	13	109	0	2
14	115	8	7	14	117	4	9
15	123	11	9	15	125	9	5
16	132	3	0	16	134	2	1
17	140	6	2	17	142	6	8
18	148	9	4	18	150	11	4
19	157	0	6	19	159	3	11
20	165	3	9	20	167	8	7
21	173	6	11	21	176	1	2
22	181	10	1	22	184	5	10
23	190	1	3	23	192	10	5
24	198	4	6	24	201	3	1
25	206	7	8	25	209	7	9
26	214	10	10	26	218	0	4
27	223	2	0	27	226	5	0
28	231	5	3	28	234	9	7
29	239	8	5	29	243	2	3
30	247	11	7	30	251	6	10
31	256	2	9	31	259	11	6
32	264	6	0	32	268	4	2
33	272	9	2	33	276	8	9
34	281	0	4	34	285	1	5
35	289	3	6	35	293	6	0
36	297	6	9	36	301	10	8
37	305	9	11	37	310	3	3
38	314	1	1	38	318	7	11
39	322	4	3	39	327	0	6
40	330	7	6	40	335	5	2
41	338	10	8	41	343	9	10
42	347	1	10	42	352	2	5
43	355	5	0	43	360	7	1
44	363	8	3	44	368	11	8
45	371	11	5	45	377	4	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	2	0	9	6	¼	2	1	1	9
½	4	1	7	0	½	4	2	3	6
¾	6	2	4	6	¾	6	3	5	3

Ft. long.	Side 35 In.		
	Ft.	In.	Pa.
1	8	6	1
2	17	0	2
3	25	6	3
4	34	0	4
5	42	6	5
6	51	0	6
7	59	6	7
8	68	0	8
9	76	6	9
10	85	0	10
11	93	6	11
12	102	1	0
13	110	7	1
14	119	1	2
15	127	7	3
16	136	1	4
17	144	7	5
18	153	1	6
19	161	7	7
20	170	1	8
21	178	7	9
22	187	1	10
23	195	7	11
24	204	2	0
25	212	8	1
26	221	2	2
27	229	8	3
28	238	2	4
29	246	8	5
30	255	2	6
31	263	8	7
32	272	2	8
33	280	8	9
34	289	2	10
35	297	8	11
36	306	3	0
37	314	9	1
38	323	3	2
39	331	9	3
40	340	3	4
41	348	9	5
42	357	3	6
43	365	9	7
44	374	3	8
45	382	9	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	1	6	3
½	4	3	0	6
¾	6	4	6	9

Ft. long.	Side 35 ¼		
	Ft.	In.	Pa.
1	8	7	6
2	17	3	1
3	25	10	7
4	34	6	2
5	43	1	8
6	51	9	3
7	60	4	9
8	69	0	4
9	77	7	11
10	86	3	5
11	94	11	0
12	103	6	6
13	112	2	1
14	120	9	7
15	129	5	2
16	138	0	9
17	146	8	3
18	155	3	10
19	163	11	4
20	172	6	11
21	181	2	5
22	189	10	0
23	198	5	6
24	207	1	1
25	215	8	8
26	224	4	2
27	232	11	9
28	241	7	3
29	250	2	10
30	258	10	4
31	267	5	11
32	276	1	6
33	284	9	0
34	293	4	7
35	302	0	1
36	310	7	8
37	319	3	2
38	327	10	9
39	336	6	3
40	345	1	10
41	353	9	5
42	362	4	11
43	371	0	6
44	379	8	0
45	388	3	7

Quarters of a Foot.

	Ft.	In.	Pa.	S
¼	2	1	10	6
½	4	3	9	0
¾	6	5	7	6

Ft. long.	Side 35 ½		
	Ft.	In.	Pa.
1	8	9	0
2	17	6	0
3	26	3	0
4	35	0	1
5	43	9	1
6	52	6	1
7	61	3	1
8	70	0	2
9	78	9	2
10	87	6	2
11	96	3	2
12	105	0	3
13	113	9	3
14	122	6	3
15	131	3	3
16	140	0	4
17	148	9	4
18	157	6	4
19	166	3	4
20	175	0	5
21	183	9	5
22	192	6	5
23	201	3	5
24	210	0	6
25	218	9	6
26	227	6	6
27	236	3	6
28	245	0	7
29	253	9	7
30	262	6	7
31	271	3	7
32	280	0	8
33	288	9	8
34	297	6	8
35	306	3	8
36	315	0	9
37	323	9	9
38	332	6	9
39	341	3	9
40	350	0	10
41	358	9	10
42	367	6	10
43	376	3	10
44	385	0	11
45	393	9	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	2	3	0
½	4	4	6	0
¾	6	6	9	0

Ft. long.	Side 35 ¾		
	Ft.	In.	Pa.
1	8	10	6
2	17	9	0
3	26	7	6
4	35	6	0
5	44	4	6
6	53	3	0
7	62	1	6
8	71	0	0
9	79	10	6
10	88	9	0
11	97	7	6
12	106	6	0
13	115	4	6
14	124	3	6
15	133	1	0
16	142	0	1
17	150	10	7
18	159	9	1
19	168	7	7
20	177	6	1
21	186	4	7
22	195	3	1
23	204	1	7
24	213	0	1
25	221	10	7
26	230	9	1
27	239	7	7
28	248	6	1
29	257	4	7
30	266	3	1
31	275	1	7
32	284	0	2
33	292	10	8
34	301	9	2
35	310	7	8
36	319	6	2
37	328	4	8
38	337	3	2
39	346	1	8
40	355	0	2
41	363	10	8
42	372	9	2
43	381	7	8
44	390	6	2
45	399	4	8

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	2	7	6
½	4	5	3	0
¾	6	7	10	6

Ft. long.	Side 36 In.		
	Ft.	In.	Pa.
1	9	0	0
2	18	0	0
3	27	0	0
4	36	0	0
5	45	0	0
6	54	0	0
7	63	0	0
8	72	0	0
9	81	0	0
10	90	0	0
11	99	0	0
12	108	0	0
13	117	0	0
14	126	0	0
15	135	0	0
16	144	0	0
17	153	0	0
18	162	0	0
19	171	0	0
20	180	0	0
21	189	0	0
22	198	0	0
23	207	0	0
24	216	0	0
25	225	0	0
26	234	0	0
27	243	0	0
28	252	0	0
29	261	0	0
30	270	0	0
31	279	0	0
32	288	0	0
33	297	0	0
34	306	0	0
35	315	0	0
36	324	0	0
37	333	0	0
38	342	0	0
39	351	0	0
40	360	0	0
41	369	0	0
42	378	0	0
43	387	0	0
44	396	0	0
45	405	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	2	3	0	0
$\frac{1}{2}$	4	6	0	0
$\frac{3}{4}$	6	9	0	0

Ft. long.	Side 36 $\frac{1}{4}$		
	Ft.	In.	Pa.
1	9	1	6
2	18	3	0
3	27	4	6
4	36	6	0
5	45	7	6
6	54	9	0
7	63	10	6
8	73	0	0
9	82	1	6
10	91	3	0
11	100	4	6
12	109	6	0
13	118	7	6
14	127	9	0
15	136	10	6
16	146	0	1
17	155	1	7
18	164	3	1
19	173	4	7
20	182	6	1
21	191	7	7
22	200	9	1
23	209	10	7
24	219	0	1
25	228	1	7
26	237	3	1
27	246	4	7
28	255	6	1
29	264	7	7
30	273	9	1
31	282	10	7
32	292	0	2
33	301	1	8
34	310	3	2
35	319	4	8
36	328	6	2
37	337	7	8
38	346	9	2
39	355	10	8
40	365	0	2
41	374	1	8
42	383	3	2
43	392	4	8
44	401	6	2
45	410	7	8

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	2	3	4	6
$\frac{1}{2}$	4	6	9	0
$\frac{3}{4}$	6	10	0	6

Ft. long.	Side 36 ½		
	Ft.	In.	Pa.
1	9	3	0
2	18	6	0
3	27	9	0
4	37	0	1
5	46	3	1
6	55	6	1
7	64	9	1
8	74	0	2
9	83	3	2
10	92	6	2
11	101	9	2
12	111	0	3
13	120	3	3
14	129	6	3
15	138	9	3
16	148	0	4
17	157	3	4
18	166	6	4
19	175	9	4
20	185	0	5
21	194	3	5
22	203	6	5
23	212	9	5
24	222	0	6
25	231	3	6
26	240	6	6
27	249	9	6
28	259	0	7
29	268	3	7
30	277	6	7
31	286	9	7
32	296	0	8
33	305	3	8
34	314	6	8
35	323	9	8
36	333	0	9
37	342	3	9
38	351	6	9
39	360	9	9
40	370	0	10
41	379	3	10
42	388	6	10
43	397	9	10
44	407	0	11
45	416	3	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	3	9	0
½	4	7	6	0
¾	6	11	3	0

Ft. long.	Side 36 ¾		
	Ft.	In.	Pa.
1	9	4	6
2	18	9	1
3	28	1	7
4	37	6	2
5	46	10	8
6	56	3	3
7	65	7	9
8	75	0	4
9	84	4	11
10	93	9	5
11	103	2	0
12	112	6	6
13	121	11	1
14	131	3	7
15	140	8	2
16	150	0	9
17	159	5	3
18	168	9	10
19	178	2	4
20	187	6	11
21	196	11	5
22	206	4	0
23	215	8	6
24	225	1	1
25	234	5	8
26	243	10	2
27	253	2	9
28	262	7	3
29	271	11	10
30	281	4	4
31	290	8	11
32	300	1	6
33	309	6	0
34	318	10	7
35	328	3	1
36	337	7	8
37	347	0	2
38	356	4	9
39	365	9	3
40	375	1	10
41	384	6	5
42	393	10	11
43	403	3	6
44	412	8	0
45	422	0	7

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	4	1	6
½	4	8	3	0
¾	7	0	4	6

Ft. long.	Side 37 In.			Ft. long.	Side 37 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	6	1	1	9	7	7
2	19	0	2	2	19	3	3
3	28	6	3	3	28	10	10
4	38	0	4	4	38	6	6
5	47	6	5	5	48	2	1
6	57	0	6	6	57	9	9
7	66	6	7	7	67	5	4
8	76	0	8	8	77	1	0
9	85	6	9	9	86	8	8
10	95	0	10	10	96	4	3
11	104	6	11	11	105	11	11
12	114	1	0	12	115	7	6
13	123	7	1	13	125	3	2
14	133	1	2	14	134	10	9
15	142	7	3	15	144	6	5
16	152	1	4	16	154	2	1
17	161	7	5	17	163	9	8
18	171	1	6	18	173	5	4
19	180	7	7	19	183	0	11
20	190	1	8	20	192	8	7
21	199	7	9	21	202	4	2
22	209	1	10	22	211	11	10
23	218	7	11	23	221	7	5
24	228	2	0	24	231	3	1
25	237	8	1	25	240	10	9
26	247	2	2	26	250	6	4
27	256	8	3	27	260	2	0
28	266	2	4	28	269	9	7
29	275	8	5	29	279	5	3
30	285	2	6	30	289	0	10
31	294	8	7	31	298	8	6
32	304	2	8	32	308	4	2
33	313	8	9	33	317	11	9
34	323	2	10	34	327	7	5
35	332	8	11	35	337	3	0
36	342	3	0	36	346	10	8
37	351	9	1	37	356	6	3
38	361	3	2	38	366	1	11
39	370	9	3	39	375	9	6
40	380	3	4	40	385	5	2
41	389	9	5	41	395	0	10
42	399	3	6	42	404	8	5
43	408	9	7	43	414	4	1
44	418	3	8	44	423	11	8
45	427	9	9	45	433	7	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	2	4	6	3	¼	2	4	10	9
½	4	9	0	6	½	4	9	9	6
¾	7	1	6	9	¾	7	2	8	3

Ft.long.	Side 37 ½			Ft.long.	Side 37 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	9	2	1	9	10	9
2	19	6	4	2	19	9	6
3	29	3	6	3	29	8	3
4	39	0	9	4	39	7	0
5	48	9	11	5	49	5	9
6	58	7	1	6	59	4	6
7	68	4	3	7	69	3	3
8	78	1	6	8	79	2	0
9	87	10	8	9	89	0	9
10	97	7	10	10	98	11	6
11	107	5	0	11	108	10	3
12	117	2	3	12	118	9	0
13	126	11	5	13	128	7	9
14	136	8	7	14	138	6	6
15	146	5	9	15	148	5	3
16	156	3	0	16	158	4	1
17	166	0	2	17	168	2	10
18	175	9	4	18	178	1	7
19	185	6	6	19	188	0	4
20	195	3	9	20	197	11	1
21	205	0	11	21	207	9	10
22	214	10	1	22	217	8	7
23	224	7	3	23	227	7	4
24	234	4	6	24	237	6	1
25	244	1	8	25	247	4	10
26	253	10	10	26	257	3	7
27	263	8	0	27	267	2	4
28	273	5	3	28	277	1	1
29	283	2	5	29	286	11	10
30	292	11	7	30	296	10	7
31	302	8	9	31	306	9	4
32	312	6	0	32	316	8	2
33	322	3	2	33	326	6	11
34	332	0	4	34	336	5	8
35	341	9	6	35	346	4	5
36	351	6	9	36	356	3	2
37	361	3	11	37	366	1	11
38	371	1	1	38	376	0	8
39	380	10	3	39	385	11	5
40	390	7	6	40	395	10	2
41	400	4	8	41	405	8	11
42	410	1	10	42	415	7	8
43	419	1	0	43	425	6	5
44	429	8	3	44	435	5	2
45	439	5	5	45	445	3	11

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	2	5	3	6	¼	2	5	8	3
½	4	10	7	0	½	4	11	4	6
¾	7	3	10	6	¾	7	5	0	9

Ft.long.	Side 38 In.		
	Ft.	In.	Pa.
1	10	0	4
2	20	0	8
3	30	1	0
4	40	1	4
5	50	1	8
6	60	2	0
7	70	2	4
8	80	2	8
9	90	3	0
10	100	3	4
11	110	3	8
12	120	4	0
13	130	4	4
14	140	4	8
15	150	5	0
16	160	5	4
17	170	5	8
18	180	6	0
19	190	6	4
20	200	6	8
21	210	7	0
22	220	7	4
23	230	7	8
24	240	8	0
25	250	8	4
26	260	8	8
27	270	9	0
28	280	9	4
29	290	9	8
30	300	10	0
31	310	10	4
32	320	10	8
33	330	11	0
34	340	11	4
35	350	11	8
36	361	0	0
37	371	0	4
38	381	0	8
39	391	1	0
40	401	1	4
41	411	1	8
42	421	2	0
43	431	2	4
44	441	2	8
45	451	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	2	6	1	0
1/2	5	0	2	0
3/4	7	6	3	0

Ft.long.	Side 38 1/4		
	Ft.	In.	Pa.
1	10	1	11
2	20	3	10
3	30	5	9
4	40	7	8
5	50	9	7
6	60	11	6
7	71	1	5
8	81	3	4
9	91	5	3
10	101	7	2
11	111	9	1
12	121	11	0
13	132	0	11
14	142	2	10
15	152	4	9
16	162	6	9
17	172	8	8
18	182	10	7
19	193	0	6
20	203	2	5
21	213	4	4
22	223	6	3
23	233	8	2
24	243	10	1
25	254	0	0
26	264	1	11
27	274	3	10
28	284	5	9
29	294	7	8
30	304	9	7
31	314	11	6
32	325	1	6
33	335	3	5
34	345	5	4
35	355	7	3
36	365	9	2
37	375	11	1
38	386	1	0
39	396	2	11
40	406	4	10
41	416	6	9
42	426	8	8
43	436	10	7
44	447	0	6
45	457	2	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	2	6	5	9
1/2	5	0	11	6
3/4	7	7	5	3

Ft. long.	Side 38 ½			Ft. long.	Side 38 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	3	6	1	10	5	1
2	20	7	0	2	20	10	3
3	30	10	6	3	31	3	4
4	41	2	1	4	41	8	6
5	51	5	7	5	52	1	7
6	61	9	1	6	62	6	9
7	72	0	7	7	72	11	10
8	82	4	2	8	83	5	0
9	92	7	8	9	93	10	2
10	102	11	2	10	104	3	3
11	113	2	8	11	114	8	5
12	123	6	3	12	125	1	6
13	133	9	9	13	135	6	8
14	144	1	3	14	145	11	9
15	154	4	9	15	156	4	11
16	164	8	4	16	166	10	1
17	174	11	10	17	177	3	2
18	185	3	4	18	187	8	4
19	195	6	10	19	198	1	5
20	205	10	5	20	208	6	7
21	216	1	11	21	218	11	8
22	226	5	5	22	229	4	10
23	236	8	11	23	239	9	11
24	247	0	6	24	250	3	1
25	257	4	0	25	260	8	3
26	267	7	6	26	271	1	4
27	277	11	0	27	281	6	6
28	288	2	7	28	291	11	7
29	298	6	1	29	302	4	9
30	308	9	7	30	312	9	10
31	319	1	1	31	323	3	0
32	329	4	8	32	333	8	2
33	339	8	2	33	344	1	3
34	349	11	8	34	354	6	5
35	360	3	2	35	364	11	6
36	370	6	9	36	375	4	8
37	380	10	3	37	385	9	9
38	391	1	9	38	396	2	11
39	401	5	3	39	406	8	0
40	411	8	10	40	417	1	2
41	422	0	4	41	427	6	4
42	432	3	10	42	437	11	5
43	442	7	4	43	448	4	7
44	452	10	11	44	458	9	8
45	463	2	5	45	469	2	10

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	2	6	10	6	¼	2	7	3	3
½	5	1	9	0	½	5	2	6	6
¾	7	8	7	6	¾	7	9	9	9

Ft. long.	Side 39 In.		
	Ft.	In.	Pa.
1	10	6	9
2	21	1	6
3	31	8	3
4	42	3	0
5	52	9	9
6	63	4	6
7	73	11	3
8	84	6	0
9	95	0	9
10	105	7	6
11	116	2	3
12	126	9	0
13	137	3	9
14	147	10	6
15	158	5	3
16	169	0	0
17	179	6	9
18	190	1	6
19	200	8	3
20	211	3	0
21	221	9	9
22	232	4	6
23	242	11	3
24	253	6	0
25	264	0	9
26	274	7	6
27	285	2	3
28	295	9	0
29	306	3	9
30	316	10	6
31	327	5	3
32	338	0	0
33	348	6	9
34	359	1	6
35	369	8	3
36	380	3	0
37	390	9	9
38	401	4	6
39	411	11	3
40	422	6	0
41	433	0	9
42	443	7	6
43	454	2	3
44	464	9	0
45	475	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	7	8	3
½	5	3	4	6
¾	7	11	0	9

Ft. long.	Side 39 ¼		
	Ft.	In.	Pa.
1	10	8	4
2	21	4	9
3	32	1	1
4	42	9	6
5	53	5	10
6	64	2	3
7	74	10	7
8	85	7	0
9	96	3	5
10	106	11	9
11	117	8	2
12	128	4	6
13	139	0	11
14	149	9	3
15	160	5	8
16	171	2	1
17	181	10	5
18	192	6	10
19	203	3	2
20	213	11	7
21	224	7	11
22	235	4	4
23	246	0	8
24	256	9	1
25	267	5	6
26	278	1	10
27	288	10	3
28	299	6	7
29	310	3	0
30	320	11	4
31	331	7	9
32	342	4	2
33	353	0	6
34	363	8	11
35	374	5	3
36	385	1	8
37	395	10	0
38	406	6	5
39	417	2	9
40	427	11	2
41	438	7	7
42	449	3	11
43	460	0	4
44	470	8	8
45	481	5	1

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	8	1	0
½	5	4	2	0
¾	8	0	3	0

Ft. long.	Side 39 $\frac{1}{2}$			Ft. long.	Side 39 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	10	0	1	10	11	8
2	21	8	0	2	21	11	4
3	32	6	0	3	32	11	0
4	43	4	1	4	43	10	8
5	54	2	1	5	54	10	4
6	65	0	1	6	65	10	0
7	75	10	1	7	76	9	8
8	86	8	2	8	87	9	4
9	97	6	2	9	98	9	0
10	108	4	2	10	109	8	8
11	119	2	2	11	120	8	4
12	130	0	3	12	131	8	0
13	140	10	3	13	142	7	8
14	151	8	3	14	153	7	4
15	162	6	3	15	164	7	0
16	173	4	4	16	175	6	9
17	184	2	4	17	186	6	5
18	195	0	4	18	197	6	1
19	205	10	4	19	208	5	9
20	216	8	5	20	219	5	5
21	227	6	5	21	230	5	1
22	238	4	5	22	241	4	9
23	249	2	5	23	252	4	5
24	260	0	6	24	263	4	1
25	270	10	6	25	274	3	9
26	281	8	6	26	285	3	5
27	292	6	6	27	296	3	1
28	303	4	7	28	307	2	9
29	314	2	7	29	318	2	5
30	325	0	7	30	329	2	1
31	335	10	7	31	340	1	9
32	346	8	8	32	351	1	6
33	357	6	8	33	362	1	2
34	368	4	8	34	373	0	10
35	379	2	8	35	384	0	6
36	390	0	9	36	395	0	2
37	400	10	9	37	405	11	10
38	411	8	9	38	416	11	6
39	422	6	9	39	427	11	2
40	433	4	10	40	438	10	10
41	444	2	10	41	449	10	6
42	455	0	10	42	460	10	2
43	465	10	10	43	471	9	10
44	476	8	11	44	482	9	6
45	487	6	11	45	293	9	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	2	8	6	0	$\frac{1}{4}$	2	8	11	0
$\frac{1}{2}$	5	5	0	0	$\frac{1}{2}$	5	5	10	0
$\frac{3}{4}$	8	1	6	0	$\frac{3}{4}$	8	2	9	0

Ft.long.	Side 40 In.		
	Ft.	In.	Pa.
1	11	1	4
2	22	2	8
3	33	4	0
4	44	5	4
5	55	6	8
6	66	8	0
7	77	9	4
8	88	10	8
9	100	0	0
10	111	1	4
11	122	2	8
12	133	4	0
13	144	5	4
14	155	6	8
15	166	8	0
16	177	9	4
17	188	10	8
18	200	0	0
19	211	1	4
20	222	2	8
21	233	4	0
22	244	5	4
23	255	6	8
24	266	8	0
25	277	9	4
26	288	10	8
27	300	0	0
28	311	1	4
29	322	2	8
30	333	4	0
31	344	5	4
32	355	6	8
33	366	8	0
34	377	9	4
35	388	10	8
36	400	0	0
37	411	1	4
38	422	2	8
39	433	4	0
40	444	5	4
41	455	6	8
42	466	8	0
43	477	9	4
44	488	10	8
45	500	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	2	9	4	0
1/2	5	6	8	0
3/4	8	4	0	0

Ft.long.	Side 40 1/4		
	Ft.	In.	Pa.
1	11	3	0
2	22	6	0
3	33	9	0
4	45	0	0
5	56	3	0
6	67	6	0
7	78	9	0
8	90	0	0
9	101	3	0
10	112	6	0
11	123	9	0
12	135	0	0
13	146	3	0
14	157	6	0
15	168	9	0
16	180	0	1
17	191	3	1
18	202	6	1
19	213	9	1
20	225	0	1
21	236	3	1
22	247	6	1
23	258	9	1
24	270	0	1
25	281	3	1
26	292	6	1
27	303	9	1
28	315	0	1
29	326	3	1
30	337	6	1
31	348	9	1
32	360	0	2
33	371	3	2
34	382	6	2
35	393	9	2
36	405	0	2
37	416	3	2
38	427	6	2
39	438	9	2
40	450	0	2
41	461	3	2
42	472	6	2
43	483	9	2
44	495	0	2
45	506	3	2

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	2	9	9	0
1/2	5	7	6	0
3/4	8	5	3	0

Ft. long.	Side 40 $\frac{1}{2}$		
	Ft.	In.	Pa.
1	11	4	8
2	22	9	4
3	34	2	0
4	45	6	9
5	56	11	5
6	68	4	1
7	79	8	9
8	91	1	6
9	102	6	2
10	113	10	10
11	125	3	6
12	136	8	3
13	148	0	11
14	159	5	7
15	170	10	3
16	182	3	0
17	193	7	8
18	205	0	4
19	216	5	0
20	227	9	9
21	239	2	5
22	250	7	1
23	261	11	9
24	273	4	6
25	284	9	2
26	296	1	10
27	307	6	6
28	318	11	3
29	330	3	11
30	341	8	7
31	353	1	3
32	364	6	0
33	375	10	8
34	387	3	4
35	398	8	0
36	410	0	9
37	421	5	5
38	432	10	1
39	444	2	9
40	455	7	6
41	467	0	2
42	478	4	10
43	489	9	6
44	501	2	3
45	512	6	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	2	10	2	0
$\frac{1}{2}$	5	8	4	0
$\frac{3}{4}$	8	6	6	0

Ft. long.	Side 40 $\frac{3}{4}$		
	Ft.	In.	Pa.
1	11	6	4
2	23	0	9
3	34	7	1
4	46	1	6
5	57	7	10
6	69	2	3
7	80	8	7
8	92	3	0
9	103	9	5
10	115	3	9
11	126	10	2
12	138	4	6
13	149	10	11
14	161	5	3
15	172	11	8
16	184	6	1
17	196	0	5
18	207	6	10
19	219	1	2
20	230	7	7
21	242	1	11
22	253	8	4
23	265	2	8
24	276	9	1
25	288	3	6
26	299	9	10
27	311	4	3
28	322	10	7
29	334	5	0
30	345	11	4
31	357	5	9
32	369	0	2
33	380	6	6
34	392	0	11
35	403	7	3
36	415	1	8
37	426	8	0
38	438	2	5
39	449	8	9
40	461	3	2
41	472	9	7
42	484	3	11
43	495	10	4
44	507	4	8
45	518	11	1

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	2	10	7	0
$\frac{1}{2}$	5	9	2	0
$\frac{3}{4}$	8	7	9	0

Ft. long.	Side 41 In.		
	Ft.	In.	Pa.
1	11	8	1
2	23	4	2
3	35	0	3
4	46	8	4
5	58	4	5
6	70	0	6
7	81	8	7
8	93	4	8
9	105	0	9
10	116	8	10
11	128	4	11
12	140	1	0
13	151	9	1
14	163	5	2
15	175	1	3
16	186	9	4
17	198	5	5
18	210	1	6
19	221	9	7
20	233	5	8
21	245	1	9
22	256	9	10
23	268	5	11
24	280	2	0
25	291	10	1
26	303	6	2
27	315	2	3
28	326	10	4
29	338	6	5
30	350	2	6
31	361	10	7
32	373	6	8
33	385	2	9
34	396	10	10
35	408	6	11
36	420	3	0
37	431	11	1
38	443	7	2
39	455	3	3
40	466	11	4
41	478	7	5
42	490	3	6
43	501	11	7
44	513	7	8
45	525	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	11	0	3
½	5	10	0	6
¾	8	9	0	9

Ft. long.	Side 41 ¼		
	Ft.	In.	Pa.
1	11	9	9
2	23	7	7
3	35	5	4
4	47	3	2
5	59	0	11
6	70	10	9
7	82	8	6
8	94	6	4
9	106	4	2
10	118	1	11
11	129	11	9
12	141	9	6
13	153	7	4
14	165	5	1
15	177	2	11
16	189	0	9
17	200	10	6
18	212	8	4
19	224	6	1
20	236	3	11
21	248	1	8
22	259	11	6
23	271	9	3
24	283	7	1
25	295	4	11
26	307	2	8
27	319	0	6
28	330	10	3
29	342	8	1
30	354	5	10
31	366	3	8
32	378	1	6
33	389	11	3
34	401	9	1
35	413	6	10
36	425	4	8
37	437	2	5
38	449	0	3
39	460	10	0
40	472	7	10
41	484	5	8
42	496	3	5
43	508	1	3
44	519	11	0
45	531	8	10

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	2	11	5	3
½	5	10	10	6
¾	8	10	3	9

Ft. long.	Side 41 ½			Ft. long.	Side 41 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	11	11	6	1	12	1	3
2	23	11	0	2	24	2	6
3	35	10	6	3	36	3	9
4	47	10	1	4	48	5	0
5	59	9	7	5	60	6	3
6	71	9	1	6	72	7	6
7	83	8	7	7	84	8	9
8	95	8	2	8	96	10	0
9	107	7	8	9	108	11	3
10	119	7	2	10	121	0	6
11	131	6	8	11	133	1	9
12	143	6	3	12	145	3	0
13	155	5	9	13	157	4	3
14	167	5	3	14	169	5	6
15	179	4	9	15	181	6	9
16	191	4	4	16	193	8	1
17	203	3	10	17	205	9	4
18	215	3	4	18	217	10	7
19	227	2	10	19	229	11	10
20	239	2	5	20	242	1	1
21	251	1	11	21	254	2	4
22	263	1	5	22	266	3	7
23	275	0	11	23	278	4	10
24	287	0	6	24	290	6	1
25	299	0	0	25	302	7	4
26	310	11	6	26	314	8	7
27	322	11	0	27	326	9	10
28	334	10	7	28	338	11	1
29	346	10	1	29	351	0	4
30	358	9	7	30	363	1	7
31	370	9	1	31	375	2	10
32	382	8	8	32	387	4	2
33	394	8	2	33	399	5	5
34	406	7	8	34	411	6	8
35	418	7	2	35	423	7	11
36	430	6	9	36	435	9	2
37	442	6	3	37	447	10	5
38	454	5	9	38	459	11	8
39	466	5	3	39	472	0	11
40	478	4	10	40	484	2	2
41	490	4	4	41	496	3	5
42	502	3	10	42	508	4	8
43	514	3	4	43	520	5	11
44	526	2	11	44	532	7	2
45	538	2	5	45	544	8	5

Quarters of a Foot					Quarters of a Foot				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S
¼	2	11	10	6	¼	3	0	3	9
½	5	11	9	0	½	6	0	7	6
¾	8	11	7	6	¾	9	0	11	3

Ft.long.	Side 42 In.			Ft.long.	Side $42\frac{1}{4}''$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	3	0	1	12	4	8
2	24	6	0	2	24	9	4
3	36	9	0	3	37	2	0
4	49	0	0	4	49	6	8
5	61	3	0	5	61	11	4
6	73	6	0	6	74	4	0
7	85	9	0	7	86	8	8
8	98	0	0	8	99	1	4
9	110	3	0	9	111	6	0
10	122	6	0	10	123	10	8
11	134	9	0	11	136	3	4
12	147	0	0	12	148	8	0
13	159	3	0	13	161	0	8
14	171	6	0	14	173	5	4
15	183	9	0	15	185	10	0
16	196	0	0	16	198	2	9
17	208	3	0	17	210	7	5
18	220	6	0	18	223	0	1
19	232	9	0	19	235	4	9
20	245	0	0	20	247	9	5
21	257	3	0	21	260	2	1
22	269	6	0	22	272	6	9
23	281	9	0	23	284	11	5
24	294	0	0	24	297	4	1
25	306	3	0	25	309	8	9
26	318	6	0	26	322	1	5
27	330	9	0	27	334	6	1
28	343	0	0	28	346	10	9
29	355	3	0	29	359	3	5
30	367	6	0	30	371	8	1
31	379	9	0	31	384	0	9
32	392	0	0	32	396	5	6
33	404	3	0	33	408	10	2
34	416	6	0	34	421	2	10
35	428	9	0	35	433	7	6
36	441	0	0	36	446	0	2
37	453	3	0	37	458	4	10
38	465	6	0	38	470	9	6
39	477	9	0	39	483	2	2
40	490	0	0	40	495	6	10
41	502	3	0	41	507	11	6
42	514	6	0	42	520	4	2
43	526	9	0	43	532	8	10
44	539	0	0	44	545	1	6
45	551	3	0	45	557	6	2

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	3	0	9	0
$\frac{1}{2}$	6	1	6	0
$\frac{3}{4}$	9	2	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	3	1	2	0
$\frac{1}{2}$	6	2	4	0
$\frac{3}{4}$	9	3	6	0

Ft.long.	Side 42 ½			Ft.long.	Side 42 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	6	6	1	12	8	3
2	25	1	0	2	25	4	7
3	37	7	6	3	38	0	10
4	50	2	1	4	50	9	2
5	62	8	7	5	63	5	5
6	75	3	1	6	76	1	9
7	87	9	7	7	88	10	0
8	100	4	2	8	101	6	4
9	112	10	8	9	114	2	8
10	125	5	2	10	126	10	11
11	137	11	8	11	139	7	3
12	150	6	3	12	152	3	6
13	163	0	9	13	164	11	10
14	175	7	3	14	177	8	1
15	188	1	9	15	190	4	5
16	200	8	4	16	203	0	9
17	213	2	10	17	215	9	0
18	225	9	4	18	228	5	4
19	238	3	10	19	241	1	7
20	250	10	5	20	253	9	11
21	263	4	11	21	266	6	2
22	275	11	5	22	279	2	6
23	288	5	11	23	291	10	9
24	301	0	6	24	304	7	1
25	313	7	0	25	317	3	5
26	326	1	6	26	329	11	8
27	338	8	0	27	342	8	0
28	351	2	7	28	355	4	3
29	363	9	1	29	368	0	7
30	376	3	7	30	380	8	10
31	388	10	1	31	393	5	2
32	401	4	8	32	406	1	6
33	413	11	2	33	418	9	9
34	426	5	8	34	431	6	1
35	439	0	2	35	444	2	4
36	451	6	9	36	456	10	8
37	464	1	3	37	469	6	11
38	476	7	9	38	482	3	3
39	489	2	3	39	494	11	6
40	501	8	10	40	507	7	10
41	514	3	4	41	520	4	2
42	526	9	10	42	533	0	5
43	439	4	4	43	545	8	9
44	551	10	11	44	558	5	0
45	564	5	5	45	571	1	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	3	1	7	6	¼	3	2	0	9
½	6	3	3	0	½	6	4	1	6
¾	9	4	10	6	¾	9	6	2	3

Ft. long.	Side 43 In.		
	Ft.	In.	Pa.
1	12	10	1
2	25	8	2
3	38	6	3
4	51	4	4
5	64	2	5
6	77	0	6
7	89	10	7
8	102	8	8
9	115	6	9
10	128	4	10
11	141	2	11
12	154	1	0
13	166	11	1
14	179	9	2
15	192	7	3
16	205	5	4
17	218	3	5
18	231	1	6
19	243	11	7
20	256	9	8
21	269	7	9
22	282	5	10
23	295	3	11
24	308	2	0
25	321	0	1
26	333	10	2
27	346	8	3
28	359	6	4
29	372	4	5
30	385	2	6
31	398	0	7
32	410	10	8
33	423	8	9
34	436	6	10
35	449	4	11
36	402	3	0
37	475	1	1
38	487	11	2
39	500	9	3
40	513	7	4
41	526	5	5
42	539	3	6
43	552	1	7
44	564	11	8
45	577	9	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	2	6	3
½	6	5	0	6
¾	9	7	6	9

Ft. long.	Side 43 ¼		
	Ft.	In.	Pa.
1	12	11	10
2	25	11	9
3	38	11	7
4	51	11	6
5	64	11	4
6	77	11	3
7	90	11	1
8	103	11	0
9	116	10	11
10	129	10	9
11	142	10	8
12	155	10	6
13	168	10	5
14	181	10	3
15	194	10	2
16	207	10	1
17	220	9	11
18	233	9	10
19	246	9	8
20	259	9	7
21	272	9	5
22	285	9	4
23	298	9	2
24	311	9	1
25	324	9	0
26	337	8	10
27	350	8	9
28	363	8	7
29	376	8	6
30	389	8	4
31	402	8	3
32	415	8	2
33	428	8	0
34	441	7	11
35	454	7	9
36	467	7	8
37	480	7	6
38	493	7	5
39	506	7	3
40	519	7	2
41	532	7	1
42	545	6	11
43	558	6	10
44	571	6	8
45	584	6	7

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	2	11	6
½	6	5	11	0
¾	9	8	10	6

Ft.long.	Side 43 ½		
	Ft.	In.	Pa.
1	13	1	8
2	26	3	4
3	39	5	0
4	52	6	9
5	65	8	5
6	78	10	1
7	91	11	9
8	105	1	6
9	118	3	2
10	131	4	10
11	144	6	6
12	157	8	3
13	170	9	11
14	183	11	7
15	197	1	3
16	210	3	0
17	223	4	8
18	236	6	4
19	249	8	0
20	262	9	9
21	275	11	5
22	289	1	1
23	302	2	9
24	315	4	6
25	328	6	2
26	341	7	10
27	354	9	6
28	367	11	3
29	381	0	11
30	394	2	7
31	407	4	3
32	420	6	0
33	433	7	8
34	446	9	4
35	459	11	0
36	473	0	9
37	486	2	5
38	499	4	1
39	512	5	9
40	525	7	6
41	538	9	2
42	551	10	10
43	565	0	6
44	578	2	3
45	591	3	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	3	5	0
½	6	6	10	0
¾	9	10	3	0

Ft.long.	Side 43 ¾		
	Ft.	In.	Pa.
1	13	3	6
2	26	7	0
3	39	10	6
4	53	2	0
5	66	5	6
6	79	9	0
7	93	0	6
8	106	4	0
9	119	7	6
10	132	11	0
11	146	2	6
12	159	6	0
13	172	9	6
14	186	1	0
15	199	4	6
16	212	8	1
17	225	11	7
18	239	3	1
19	252	6	7
20	265	10	1
21	279	1	7
22	292	5	1
23	305	8	7
24	319	0	1
25	332	3	7
26	345	7	1
27	358	10	7
28	372	2	1
29	385	5	7
30	398	9	1
31	412	0	7
32	425	4	2
33	438	7	8
34	451	11	2
35	465	2	8
36	478	6	2
37	491	9	8
38	505	1	2
39	518	4	8
40	531	8	2
41	544	11	8
42	558	3	2
43	571	6	8
44	584	10	2
45	598	1	8

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	3	10	6
½	6	7	9	0
¾	9	11	7	6

Ft. long.	Side 44 In.		
	Ft.	In.	Pa.
1	13	5	4
2	26	10	8
3	40	4	0
4	53	9	4
5	67	2	8
6	80	8	0
7	94	1	4
8	107	6	8
9	121	0	0
10	134	5	4
11	147	10	8
12	161	4	0
13	174	9	4
14	188	2	8
15	201	8	0
16	215	1	4
17	228	6	8
18	242	0	0
19	255	5	4
20	268	10	8
21	282	4	0
22	295	9	4
23	309	2	8
24	322	8	0
25	336	1	4
26	349	6	8
27	363	0	0
28	376	5	4
29	389	10	8
30	403	4	0
31	416	9	4
32	430	2	8
33	443	8	0
34	457	1	4
35	470	6	8
36	484	0	0
37	497	5	4
38	510	10	8
39	524	4	0
40	537	9	4
41	551	2	8
42	564	8	0
43	578	1	4
44	591	6	8
45	605	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	4	4	0
½	6	8	8	0
¾	10	1	0	0

Ft. long.	Side 44 ¼		
	Ft.	In.	Pa.
1	13	7	2
2	27	2	4
3	40	9	6
4	54	4	8
5	67	11	10
6	81	7	0
7	95	2	2
8	108	9	4
9	122	4	6
10	135	11	8
11	149	6	10
12	163	2	0
13	176	9	2
14	190	4	4
15	203	11	6
16	217	6	9
17	231	1	11
18	244	9	1
19	258	4	3
20	271	11	5
21	285	6	7
22	299	1	9
23	312	8	11
24	326	4	1
25	339	11	3
26	353	6	5
27	367	1	7
28	380	8	9
29	494	3	11
30	407	11	1
31	421	6	3
32	435	1	6
33	448	8	8
34	462	3	10
35	475	11	0
36	489	6	2
37	503	1	4
38	516	8	6
39	530	3	8
40	543	10	10
41	457	6	0
42	571	1	2
43	584	8	4
44	598	3	6
45	611	10	8

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	4	9	6
½	6	9	7	0
¾	10	2	4	6

Ft. long.	Side 44 ½ Ft.	In.	Pa.
1	13	9	0
2	27	6	0
3	41	3	0
4	55	0	1
5	68	9	1
6	82	6	1
7	96	3	1
8	110	0	2
9	123	9	2
10	137	6	2
11	151	3	2
12	165	0	3
13	178	9	3
14	192	6	3
15	206	3	3
16	220	0	4
17	233	9	4
18	247	6	4
19	261	3	4
20	275	0	5
21	288	9	5
22	302	6	5
23	316	3	5
24	330	0	6
25	343	9	6
26	357	6	6
27	371	3	6
28	385	0	7
29	398	9	7
30	412	6	7
31	426	3	7
32	440	0	8
33	453	9	8
34	467	6	8
35	481	3	8
36	495	0	9
37	508	9	9
38	522	6	9
39	536	3	9
40	550	0	10
41	563	9	10
42	577	6	10
43	591	3	10
44	605	0	11
45	618	9	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	5	3	0
½	6	10	6	0
¾	10	3	9	0

Ft. long.	Side 44 ¾ Ft.	In.	Pa.
1	13	10	10
2	27	9	9
3	41	8	7
4	55	7	6
5	69	6	4
6	83	5	3
7	97	4	1
8	111	3	0
9	125	1	11
10	139	0	9
11	152	11	8
12	166	10	6
13	180	9	5
14	194	8	3
15	208	7	2
16	222	6	1
17	236	4	11
18	250	3	10
19	264	2	8
20	278	1	7
21	292	0	5
22	305	11	4
23	319	10	2
24	333	9	1
25	347	8	0
26	361	6	10
27	375	5	9
28	389	4	7
29	403	3	6
30	417	2	4
31	431	1	3
32	445	0	2
33	458	11	0
34	472	9	11
35	486	8	9
36	500	7	8
37	514	6	6
38	528	5	5
39	542	4	3
40	556	3	2
41	570	2	1
42	584	0	11
43	597	11	10
44	611	10	8
45	625	9	7

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	5	8	6
½	6	11	5	0
¾	10	5	1	6

Ft. long.	Side 45 In.			Ft. long.	Side 45 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	14	0	9	1	14	2	7
2	28	1	6	2	28	5	3
3	42	2	3	3	42	7	10
4	56	3	0	4	56	10	6
5	70	3	9	5	71	1	1
6	84	4	6	6	85	3	9
7	98	5	3	7	99	6	4
8	112	6	0	8	113	9	0
9	126	6	9	9	127	11	8
10	140	7	6	10	142	2	3
11	154	8	3	11	156	4	11
12	168	9	0	12	170	7	6
13	182	9	9	13	184	10	2
14	196	10	6	14	199	0	9
15	210	11	3	15	213	3	5
16	225	0	0	16	227	6	1
17	239	0	9	17	241	8	8
18	253	1	6	18	255	11	4
19	267	2	3	19	270	1	11
20	281	3	0	20	284	4	7
21	295	3	9	21	298	7	2
22	309	4	6	22	312	9	10
23	323	5	3	23	327	0	5
24	337	6	0	24	341	3	1
25	351	6	9	25	355	5	9
26	365	7	6	26	369	8	4
27	379	8	3	27	383	11	0
28	393	9	0	28	398	1	7
29	407	9	9	29	412	4	3
30	421	10	6	30	426	6	10
31	435	11	3	31	440	9	6
32	450	0	0	32	455	0	2
33	464	0	9	33	469	2	9
34	478	1	6	34	483	5	5
35	492	2	3	35	497	8	0
36	506	3	0	36	511	10	8
37	520	3	9	37	526	1	3
38	534	4	6	38	540	3	11
39	548	5	3	39	554	6	6
40	562	6	0	40	568	9	2
41	576	6	9	41	582	11	10
42	590	7	6	42	597	2	5
43	604	8	3	43	611	5	1
44	618	9	0	44	625	7	8
45	632	9	9	45	639	10	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	3	6	2	3	¼	3	6	7	9
½	7	0	4	6	½	7	1	3	6
¾	10	6	6	9	¾	10	7	11	3

Ft. long.	Side 45½ Ft.	In.	Pa.
1	14	4	6
2	28	9	0
3	43	1	6
4	57	6	1
5	71	10	7
6	86	3	1
7	100	7	7
8	115	0	2
9	129	4	8
10	143	9	2
11	158	1	8
12	172	6	3
13	186	10	9
14	201	3	3
15	215	7	9
16	230	0	4
17	244	4	10
18	258	9	4
19	273	1	10
20	287	6	5
21	301	10	11
22	316	3	5
23	330	7	11
24	345	0	6
25	359	5	0
26	373	9	6
27	388	2	0
28	402	6	7
29	416	11	1
30	431	3	7
31	445	8	1
32	460	0	8
33	474	5	2
34	488	9	8
35	503	2	2
36	517	6	9
37	531	11	3
38	546	3	9
39	560	8	3
40	575	0	10
41	589	5	4
42	603	9	10
43	618	2	4
44	632	6	11
45	646	11	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	7	1	6
½	7	2	3	0
¾	10	9	4	6

Ft. long.	Side 45¾ Ft.	In.	Pa.
1	14	6	5
2	29	0	10
3	43	7	3
4	58	1	8
5	72	8	1
6	87	2	6
7	101	8	11
8	116	3	4
9	130	9	9
10	145	4	2
11	159	10	7
12	174	5	0
13	188	11	5
14	203	5	10
15	218	0	3
16	232	6	9
17	247	1	2
18	261	7	7
19	276	2	0
20	290	8	5
21	305	2	10
22	319	9	3
23	334	3	8
24	348	10	1
25	363	4	6
26	377	10	11
27	392	5	4
28	406	11	9
29	421	6	2
30	436	0	7
31	450	7	0
32	465	1	6
33	479	7	11
34	494	2	4
35	508	8	9
36	523	3	2
37	537	9	7
38	552	4	0
39	566	10	5
40	581	4	10
41	595	11	3
42	610	5	8
43	625	0	1
44	639	6	6
45	654	0	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	7	7	3
½	7	3	2	6
¾	10	10	9	9

Ft. long.	Side 46 In. Ft.	In.	Pa.	Ft. long.	Side 46 ¼ Ft.	In.	Pa.
1	14	8	4	1	14	10	3
2	29	4	8	2	29	8	6
3	44	1	0	3	44	6	9
4	58	9	4	4	59	5	0
5	73	5	8	5	74	3	3
6	88	2	0	6	89	1	6
7	102	10	4	7	103	11	9
8	117	6	8	8	118	10	0
9	132	3	0	9	133	8	3
10	146	11	4	10	148	6	6
11	161	7	8	11	163	4	9
12	176	4	0	12	178	3	0
13	191	0	4	13	193	1	3
14	205	8	8	14	207	11	6
15	220	5	0	15	222	9	9
16	235	1	4	16	237	8	1
17	249	9	8	17	252	6	4
18	264	6	0	18	267	4	7
19	279	2	4	19	282	2	10
20	293	10	8	20	297	1	1
21	308	7	0	21	311	11	4
22	323	3	4	22	326	9	7
23	337	11	8	23	341	7	10
24	352	8	0	24	356	6	1
25	367	4	4	25	371	4	4
26	382	0	8	26	386	2	7
27	396	9	0	27	401	0	10
28	411	5	4	28	415	11	1
29	426	1	8	29	430	9	4
30	440	10	0	30	445	7	7
31	455	6	4	31	460	5	10
32	470	2	8	32	475	4	2
33	484	11	0	33	490	2	5
34	499	7	4	34	505	0	8
35	514	3	8	35	519	10	11
36	529	0	0	36	534	9	2
37	543	8	4	37	549	7	5
38	558	4	8	38	564	5	8
39	573	1	0	39	579	3	11
40	587	9	4	40	594	2	2
41	602	5	8	41	609	0	5
42	617	2	0	42	623	10	8
43	631	10	4	43	638	8	11
44	646	6	8	44	653	7	2
45	661	3	0	45	668	5	5

Quarters of a Foot.	Ft.	In.	Pa.	S.	Quarters of a Foot.	Ft.	In.	Pa.	S.
¼	3	8	1	0	¼	3	8	6	9
½	7	4	2	0	½	7	5	1	6
¾	11	0	3	0	¾	11	1	8	3

Ft. long.	Side 46 ½ Ft.	In.	Pa.
1	15	0	2
2	30	0	4
3	45	0	6
4	60	0	9
5	75	0	11
6	90	1	1
7	105	1	3
8	120	1	6
9	135	1	8
10	150	1	10
11	165	2	0
12	180	2	3
13	195	2	5
14	210	2	7
15	225	2	9
16	240	3	0
17	255	3	2
18	270	3	4
19	285	3	6
20	300	3	9
21	315	3	11
22	330	4	1
23	345	4	3
24	360	4	6
25	375	4	8
26	390	4	10
27	405	5	0
28	420	5	3
29	435	5	5
30	450	5	7
31	465	5	9
32	480	6	0
33	495	6	2
34	510	6	4
35	525	6	6
36	540	6	9
37	555	6	11
38	570	7	1
39	585	7	3
40	600	7	6
41	615	7	8
42	630	7	10
43	645	8	0
44	660	8	3
45	675	8	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	3	9	0	6
½	7	6	1	0
¾	11	3	1	6

Ft. long.	Side 46 ¾ Ft.	In.	Pa.
1	15	2	1
2	30	4	3
3	45	6	4
4	60	8	6
5	75	10	7
6	91	0	9
7	106	2	10
8	121	5	0
9	136	7	2
10	151	9	3
11	166	11	5
12	182	1	6
13	197	3	8
14	212	5	9
15	227	7	11
16	242	10	1
17	258	0	2
18	273	2	4
19	288	4	5
20	303	6	7
21	318	8	8
22	333	10	10
23	349	0	11
24	364	3	1
25	379	5	3
26	394	7	4
27	409	9	6
28	424	11	7
29	440	1	9
30	455	3	10
31	470	6	0
32	485	8	2
33	500	10	3
34	516	0	5
35	531	2	6
36	546	4	8
37	561	6	9
38	576	8	11
39	591	11	0
40	607	1	2
41	622	3	4
42	637	5	5
43	652	7	7
44	667	9	8
45	682	11	10

Quarters of a Foot

	Ft.	In.	Pa.	S.
¼	3	9	6	3
½	7	7	0	6
¾	11	4	6	9

Ft. long.	Side 47 In.			Ft. long.	Side 47 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	4	1	1	15	6	0
2	30	8	2	2	31	0	1
3	46	0	3	3	46	6	1
4	61	4	4	4	62	0	2
5	76	8	5	5	77	6	2
6	92	0	6	6	93	0	3
7	107	4	7	7	108	6	3
8	122	8	8	8	124	0	4
9	138	0	9	9	139	6	5
10	153	4	10	10	155	0	5
11	168	8	11	11	170	6	6
12	184	1	0	12	186	0	6
13	199	5	1	13	201	6	7
14	214	9	2	14	217	0	7
15	230	1	3	15	232	6	8
16	245	5	4	16	248	0	9
17	260	9	5	17	263	6	9
18	276	1	6	18	279	0	10
19	291	5	7	19	294	6	10
20	306	9	8	40	310	0	11
21	322	1	9	21	325	6	11
22	337	5	10	22	341	1	0
23	352	9	11	23	356	7	0
24	368	2	0	24	372	1	1
25	383	6	1	25	387	7	2
26	398	10	2	26	403	1	2
27	414	2	3	27	418	7	3
28	429	6	4	28	434	1	3
29	444	10	5	29	449	7	4
30	460	2	6	30	465	1	4
31	475	6	7	31	480	7	5
32	490	10	8	32	496	1	6
33	506	2	9	33	511	7	6
34	521	6	10	34	527	1	7
35	536	10	11	35	542	7	7
36	552	3	0	36	558	1	8
37	567	7	1	37	573	7	8
38	582	11	2	38	589	1	9
39	598	3	3	39	604	7	9
40	613	7	4	40	620	1	10
41	628	11	5	41	635	7	11
42	644	3	6	42	651	1	11
43	659	7	7	43	666	8	0
44	674	11	8	44	682	2	0
45	690	3	9	45	697	8	1

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	3	10	0	3	¼	3	10	6	0
½	7	8	0	6	½	7	9	0	0
¾	11	6	0	9	¾	11	7	6	0

Ft. long.	Side 47 ½			Ft. long.	Side 47 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	8	0	1	15	10	0
2	31	4	0	2	31	8	0
3	47	0	0	3	47	6	0
4	62	8	1	4	63	4	0
5	78	4	1	5	79	2	0
6	94	0	1	6	95	0	0
7	109	8	1	7	110	10	0
8	125	4	2	8	126	8	0
9	141	0	2	9	142	6	0
10	156	8	2	10	158	4	0
11	172	4	2	11	174	2	0
12	188	0	3	12	190	0	0
13	203	8	3	13	205	10	0
14	219	4	3	14	221	8	0
15	235	0	3	15	237	6	0
16	250	8	4	16	253	4	1
17	266	4	4	17	269	2	1
18	282	0	4	18	285	0	1
19	297	8	4	19	300	10	1
20	313	4	5	20	316	8	1
21	329	0	5	21	332	6	1
22	344	8	5	22	348	4	1
23	360	4	5	23	364	2	1
24	376	0	6	24	380	0	1
25	391	8	6	25	395	10	1
26	407	4	6	26	411	8	1
27	423	0	6	27	427	6	1
28	438	8	7	28	443	4	1
29	454	4	7	29	459	2	1
30	470	0	7	30	475	0	1
31	485	8	7	31	490	10	1
32	501	4	8	32	506	8	2
33	517	0	8	33	522	6	2
34	532	8	8	34	538	4	2
35	548	4	8	35	554	2	2
36	564	0	9	36	570	0	2
37	579	8	9	37	585	10	2
38	595	4	9	38	601	8	2
39	611	0	9	39	617	6	2
40	626	8	10	40	633	4	2
41	642	4	10	41	649	2	2
42	658	0	10	42	665	0	2
43	673	8	10	43	680	10	2
44	689	4	11	44	696	8	2
45	705	0	11	45	712	6	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	3	11	0	0	¼	3	11	6	0
½	7	10	0	0	½	7	11	0	0
¾	11	9	0	0	¾	11	10	6	0

Ft. long.	Side 48 In.			Ft. long.	Side 48 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	0	0	1	16	2	0
2	32	0	0	2	32	4	0
3	48	0	0	3	48	6	0
4	64	0	0	4	64	8	0
5	80	0	0	5	80	10	0
6	96	0	0	6	97	0	0
7	112	0	0	7	113	2	0
8	128	0	0	8	129	4	0
9	144	0	0	9	145	6	0
10	160	0	0	10	161	8	0
11	176	0	0	11	177	10	0
12	192	0	0	12	194	0	0
13	208	0	0	13	210	2	0
14	224	0	0	14	226	4	0
15	240	0	0	15	242	6	0
16	256	0	0	16	258	8	1
17	272	0	0	17	274	10	1
18	288	0	0	18	291	0	1
19	304	0	0	19	307	2	1
20	320	0	0	20	323	4	1
21	336	0	0	21	339	6	1
22	352	0	0	22	355	8	1
23	368	0	0	23	371	10	1
24	384	0	0	24	388	0	1
25	400	0	0	25	404	2	1
26	416	0	0	26	420	4	1
27	432	0	0	27	436	6	1
28	448	0	0	28	452	8	1
29	464	0	0	29	468	10	1
30	480	0	0	30	485	0	1
31	496	0	0	31	501	2	1
32	512	0	0	32	517	4	2
33	528	0	0	33	533	6	2
34	544	0	0	34	549	8	2
35	560	0	0	35	565	10	2
36	576	0	0	36	582	0	2
37	592	0	0	37	598	2	2
38	608	0	0	38	614	4	2
39	624	0	0	39	630	6	2
40	640	0	0	40	646	8	2
41	656	0	0	41	662	10	2
42	672	0	0	42	679	0	2
43	688	0	0	43	695	2	2
44	704	0	0	44	711	4	2
45	720	0	0	45	727	6	2

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	4	0	0	0	$\frac{1}{4}$	4	0	6	0
$\frac{1}{2}$	8	0	0	0	$\frac{1}{2}$	8	1	0	0
$\frac{3}{4}$	12	0	0	0	$\frac{3}{4}$	12	1	6	0

Ft. long.	Side 48 ½			Ft. long.	Side 48 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	4	0	1	16	6	0
2	32	8	0	2	33	0	1
3	49	0	0	3	49	6	1
4	65	4	1	4	66	0	2
5	81	8	1	5	82	6	2
6	98	0	1	6	99	0	3
7	114	4	1	7	115	6	3
8	130	8	2	8	132	0	4
9	147	0	2	9	148	6	5
10	163	4	2	10	165	0	5
11	179	8	2	11	181	6	6
12	196	0	3	12	198	0	6
13	212	4	3	13	214	6	7
14	228	8	3	14	231	0	7
15	245	0	3	15	247	6	8
16	261	4	4	16	264	0	9
17	277	8	4	17	280	6	9
18	294	0	4	18	297	0	10
19	310	4	4	19	313	6	10
20	326	8	5	20	330	0	11
21	343	0	5	21	346	6	11
22	359	4	5	22	363	1	0
23	375	8	5	23	379	7	0
24	392	0	6	24	396	1	1
25	408	4	6	25	412	7	2
26	424	8	6	26	429	1	2
27	441	0	6	27	445	7	3
28	457	4	7	28	462	1	3
29	473	8	7	29	478	7	4
30	490	0	7	30	495	1	4
31	506	4	7	31	511	7	5
32	522	8	8	32	528	1	6
33	539	0	8	33	544	7	6
34	555	4	8	34	561	1	7
35	571	8	8	35	577	7	7
36	588	0	9	36	594	1	8
37	604	4	9	37	610	7	8
38	620	8	9	38	627	1	9
39	637	0	9	39	643	7	9
40	653	4	10	40	660	1	10
41	669	8	10	41	676	7	11
42	686	0	10	42	693	1	11
43	702	4	10	43	709	8	0
44	718	8	11	44	726	2	0
45	735	0	11	45	742	8	1

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	4	1	0	0	¼	4	1	6	0
½	8	2	0	0	½	8	3	0	0
¾	12	3	0	0	¾	12	4	6	0

Ft. long.	Side 49 In. Ft.	In.	Pa.
1	16	8	1
2	33	4	2
3	50	0	3
4	66	8	4
5	83	4	5
6	100	0	6
7	116	8	7
8	133	4	8
9	150	0	9
10	166	8	10
11	183	4	11
12	200	1	0
13	216	9	1
14	233	5	2
15	250	1	3
16	266	9	4
17	283	5	5
18	300	1	6
19	316	9	7
20	333	5	8
21	350	1	9
22	366	9	10
23	383	5	11
24	400	2	0
25	416	10	1
26	433	6	2
27	450	2	3
28	466	10	4
29	483	6	5
30	500	2	6
31	516	10	7
32	533	6	8
33	550	2	9
34	566	10	10
35	583	6	11
36	600	3	0
37	616	11	1
38	633	7	2
39	650	3	3
40	666	11	4
41	683	7	5
42	700	3	6
43	716	11	7
44	733	7	8
45	750	3	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	4	2	0	3
½	8	4	0	6
¾	12	6	0	9

Ft. long.	Side 49½ Ft.	In.	Pa.
1	16	10	1
2	33	8	3
3	50	6	4
4	67	4	6
5	84	2	7
6	101	0	9
7	117	10	10
8	134	9	0
9	151	7	2
10	168	5	3
11	185	3	5
12	202	1	6
13	218	11	8
14	235	9	9
15	252	7	11
16	269	6	1
17	286	4	2
18	303	2	4
19	320	0	5
20	336	10	7
21	353	8	8
22	370	6	10
23	387	4	11
24	404	3	1
25	421	1	3
26	437	11	4
27	454	9	6
28	471	7	7
29	488	5	9
30	505	3	10
31	522	2	0
32	539	0	2
33	555	10	3
34	572	8	5
35	589	6	6
36	606	4	8
37	623	2	9
38	640	0	11
39	656	11	0
40	673	9	2
41	690	7	4
42	707	5	5
43	724	3	7
44	741	1	8
45	757	11	10

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	4	2	6	3
½	8	5	0	6
¾	12	7	6	9

Ft. long.	Side 49 $\frac{1}{2}$			Ft. long.	Side 49 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	0	2	1	17	2	3
2	34	0	4	2	34	4	6
3	51	0	6	3	51	6	9
4	68	0	9	4	68	9	0
5	85	0	11	5	85	11	3
6	102	1	1	6	103	1	6
7	119	1	3	7	120	3	9
8	136	1	6	8	137	6	0
9	153	1	8	9	154	8	3
10	170	1	10	10	171	10	6
11	187	2	0	11	189	0	9
12	204	2	3	12	206	3	0
13	221	2	5	13	223	5	3
14	238	2	7	14	240	7	6
15	255	2	9	15	257	9	9
16	272	3	0	16	275	0	1
17	289	3	2	17	292	2	4
18	306	3	4	18	309	4	7
19	323	3	6	19	326	6	10
20	340	3	9	20	343	9	1
21	357	3	11	21	360	11	4
22	374	4	1	22	378	1	7
23	391	4	3	23	395	3	10
24	408	4	6	24	412	6	1
25	425	4	8	25	429	8	4
26	442	4	10	26	446	10	7
27	459	5	0	27	464	0	10
28	476	5	3	28	481	3	1
29	493	5	5	29	498	5	4
30	510	5	7	30	515	7	7
31	527	5	9	31	532	9	10
32	544	6	0	32	550	0	2
33	561	6	2	33	567	2	5
34	578	6	4	34	584	4	8
35	595	6	6	35	601	6	11
36	612	6	9	36	618	9	2
37	629	6	11	37	635	11	5
38	646	7	1	38	653	1	8
39	663	7	3	39	670	3	11
40	680	7	6	40	687	6	2
41	697	7	8	41	704	8	5
42	714	7	10	42	721	10	8
43	731	8	0	43	739	0	11
44	748	8	3	44	756	3	2
45	765	8	5	45	773	5	5

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
$\frac{1}{4}$	4	3	0	6	$\frac{1}{4}$	4	3	6	9
$\frac{1}{2}$	8	6	1	0	$\frac{1}{2}$	8	7	1	6
$\frac{3}{4}$	12	9	1	6	$\frac{3}{4}$	12	10	8	3

Ft. long.	Side 50 In.		
	Ft.	In.	Pa.
1	17	4	4
2	34	8	8
3	52	1	0
4	69	5	4
5	86	9	8
6	104	2	0
7	121	6	4
8	138	10	8
9	156	3	0
10	173	7	4
11	190	11	8
12	208	4	0
13	225	8	4
14	243	0	8
15	260	5	0
16	277	9	4
17	295	1	8
18	312	6	0
19	329	10	4
20	347	2	8
21	364	7	0
22	381	11	4
23	399	3	8
24	416	8	0
25	434	0	4
26	451	4	8
27	468	9	0
28	486	1	4
29	503	5	8
30	520	10	0
31	538	2	4
32	555	6	8
33	572	11	0
34	590	3	4
35	607	7	8
36	625	0	0
37	642	4	4
38	659	8	8
39	677	1	0
40	694	5	4
41	711	9	8
42	729	2	0
43	746	6	4
44	763	10	8
45	781	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	4	4	1	0
½	8	8	2	0
¾	13	0	3	0

Ft. long.	Side 50 ¼		
	Ft.	In.	Pa.
1	17	6	5
2	35	0	10
3	52	7	3
4	70	1	8
5	87	8	1
6	105	2	6
7	122	8	11
8	140	3	4
9	157	9	9
10	175	4	2
11	192	10	7
12	210	5	0
13	227	11	5
14	245	5	10
15	263	0	3
16	280	6	9
17	298	1	2
18	315	7	7
19	333	2	0
20	350	8	5
21	368	2	10
22	385	9	3
23	403	3	8
24	420	10	1
25	438	4	6
26	455	10	11
27	473	5	4
28	490	11	9
29	508	6	2
30	526	0	7
31	543	7	0
32	561	1	6
33	578	7	11
34	596	2	4
35	613	8	9
36	631	3	2
37	648	9	7
38	666	4	0
39	683	10	5
40	701	4	10
41	718	11	3
42	736	5	8
43	754	0	1
44	771	6	6
45	789	0	11

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	4	4	7	3
½	8	9	2	6
¾	13	1	9	9

Ft. long.	Side 50 ½ Ft.	In.	Pa.
1	17	8	6
2	35	5	0
3	53	1	6
4	70	10	1
5	88	6	7
6	106	3	1
7	123	11	7
8	141	8	2
9	159	4	8
10	177	1	2
11	194	9	8
12	212	6	3
13	230	2	9
14	247	11	3
15	265	7	9
16	283	4	4
17	301	0	10
18	318	9	4
19	336	5	10
20	354	2	5
21	371	10	11
22	389	7	5
23	407	3	11
24	425	0	6
25	442	9	0
26	460	5	6
27	478	2	0
28	495	10	7
29	513	7	1
30	531	3	7
31	549	0	1
32	566	8	8
33	584	5	2
34	602	1	8
35	619	10	2
36	637	6	9
37	655	3	3
38	672	11	9
39	690	8	3
40	708	4	10
41	726	1	4
42	743	9	10
43	761	6	4
44	779	2	11
45	796	11	5

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	4	5	1	6
½	8	10	3	0
¾	13	3	4	6

Ft. long.	Side 50 ¾ Ft.	In.	Pa.
1	17	10	7
2	35	9	3
3	53	7	10
4	71	6	6
5	89	5	1
6	107	3	9
7	125	2	4
8	143	1	0
9	160	11	8
10	178	10	3
11	196	8	11
12	214	7	6
13	232	6	2
14	250	4	9
15	268	3	5
16	286	2	1
17	304	0	8
18	321	11	4
19	339	9	11
20	357	8	7
21	375	7	2
22	393	5	10
23	411	4	5
24	429	3	1
25	447	1	9
26	465	0	4
27	482	11	0
28	500	9	7
29	518	8	3
30	536	6	10
31	554	5	6
32	572	4	2
33	590	2	9
34	608	1	5
35	626	0	0
36	643	10	8
37	661	9	3
38	679	7	11
39	697	6	6
40	715	5	2
41	733	3	10
42	751	2	5
43	769	0	1
44	786	11	8
45	804	10	4

Quarters of a Foot.

	Ft.	In.	Pa.	S.
¼	4	5	7	9
½	8	11	3	6
¾	13	4	11	3

Ft.long.	Side 51 In.			Ft.long.	Side 51 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	0	9	1	18	2	10
2	36	1	6	2	36	5	9
3	54	2	3	3	54	8	7
4	72	3	0	4	72	11	6
5	90	3	9	5	91	2	4
6	108	4	6	6	109	5	3
7	126	5	3	7	127	8	1
8	144	6	0	8	145	11	0
9	162	6	9	9	164	1	11
10	180	7	6	10	182	4	9
11	198	8	3	11	200	7	8
12	216	9	0	12	218	10	6
13	234	9	9	13	237	1	5
14	252	10	6	14	255	4	3
15	270	11	3	15	273	7	2
16	289	0	0	16	291	10	1
17	307	0	9	17	310	0	11
18	325	1	6	18	328	3	10
19	343	2	3	19	346	6	8
20	361	3	0	20	364	9	7
21	379	3	9	21	383	0	5
22	397	4	6	22	401	3	4
23	415	5	3	23	419	6	2
24	433	6	0	24	437	9	1
25	451	6	9	25	456	0	0
26	469	7	6	26	474	2	10
27	487	8	3	27	492	5	9
28	505	9	0	28	510	8	7
29	523	9	9	29	528	11	6
30	541	10	6	30	547	2	4
31	559	11	3	31	565	5	3
32	578	0	0	32	583	8	2
33	596	0	9	33	601	11	0
34	614	1	6	34	620	1	11
35	632	2	3	35	638	4	9
36	050	3	0	36	656	7	8
37	668	3	9	37	674	10	6
38	686	4	6	38	693	1	5
39	704	5	3	39	711	4	3
40	722	6	0	40	729	7	2
41	740	6	9	41	747	10	1
42	758	7	6	42	766	0	11
43	776	8	3	43	784	3	10
44	794	9	0	44	802	6	8
45	812	9	9	45	820	9	7

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	4	6	2	3	¼	4	6	8	6
½	9	0	4	6	½	9	1	5	0
¾	13	6	6	9	¾	13	8	1	6

Ft.long.	Side 51 ½			Ft.long.	Side 51 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	5	0	1	18	7	1
2	36	10	0	2	37	2	2
3	55	3	0	3	55	9	3
4	73	8	1	4	74	4	4
5	92	1	1	5	92	11	5
6	110	6	1	6	111	6	6
7	128	11	1	7	130	1	7
8	147	4	2	8	148	8	8
9	165	9	2	9	167	3	9
10	184	2	2	10	185	10	10
11	202	7	2	11	204	5	11
12	221	0	3	12	223	1	0
13	239	5	3	13	241	8	1
14	257	10	3	14	260	3	2
15	276	3	3	15	278	10	3
16	294	8	4	16	297	5	5
17	313	1	4	17	316	0	6
18	331	6	4	18	334	7	7
19	349	11	4	19	353	2	8
20	368	4	5	20	371	9	9
21	386	9	5	21	390	4	10
22	405	2	5	22	408	11	11
23	423	7	5	23	427	7	0
24	442	0	6	24	446	2	1
25	460	5	6	25	464	9	2
26	478	10	6	26	483	4	3
27	497	3	6	27	501	11	4
28	515	8	7	28	520	6	5
29	534	1	7	29	539	1	6
30	552	6	7	30	557	8	7
31	570	11	7	31	576	3	8
32	589	4	8	32	594	10	10
33	607	9	8	33	613	5	11
34	626	2	8	34	632	1	0
35	644	7	8	35	650	8	1
36	663	0	9	36	669	3	2
37	681	5	9	37	687	10	3
38	699	10	9	38	706	5	4
39	718	3	9	39	725	0	5
40	736	8	10	40	743	7	6
41	755	1	10	41	762	2	7
42	773	6	10	42	780	9	8
43	791	11	10	43	809	4	9
44	810	4	11	44	817	11	10
45	828	9	11	45	836	6	11

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	4	7	3	0	¼	4	7	9	3
½	9	2	6	0	½	9	3	6	6
¾	13	9	9	0	¾	13	11	3	9

Ft. long.	Side 52 In. Ft.	In.	Pa.
1	18	9	4
2	37	6	8
3	56	4	0
4	75	1	4
5	93	10	8
6	112	8	0
7	131	5	4
8	150	2	8
9	169	0	0
10	187	9	4
11	206	6	8
12	225	4	0
13	244	1	4
14	262	10	8
15	281	8	0
16	300	5	4
17	319	2	8
18	338	0	0
19	356	9	4
20	375	6	8
21	394	4	0
22	413	1	4
23	431	10	8
24	450	8	0
25	469	5	4
26	488	2	8
27	507	0	0
28	525	9	4
29	544	6	8
30	563	4	0
31	582	1	4
32	600	10	8
33	619	8	0
34	638	5	4
35	657	2	8
36	676	0	0
37	694	9	4
38	713	6	8
39	732	4	0
40	751	1	4
41	769	10	8
42	788	8	0
43	807	5	4
44	826	2	8
45	845	0	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	4	8	4	0
1/2	9	4	8	0
3/4	14	1	0	0

Ft. long.	Side 52 1/4 Ft.	In.	Pa.
1	18	11	6
2	37	11	0
3	56	10	6
4	75	10	0
5	94	9	6
6	113	9	0
7	132	8	6
8	151	8	0
9	170	7	6
10	189	7	0
11	208	6	6
12	227	6	0
13	246	5	6
14	265	5	0
15	284	4	6
16	303	4	1
17	322	3	7
18	341	3	1
19	360	2	7
20	379	2	1
21	398	1	7
22	417	1	1
23	436	0	7
24	455	0	1
25	473	11	7
26	492	11	1
27	511	10	7
28	530	10	1
29	549	9	7
30	568	9	1
31	587	8	7
32	606	8	2
33	625	7	8
34	644	7	2
35	663	6	8
36	682	6	2
37	701	5	8
38	720	5	2
39	739	4	8
40	758	4	2
41	777	3	8
42	796	3	2
43	815	2	8
44	834	2	2
45	853	1	8

Quarters of a Foot.

	Ft.	In.	Pa.	S.
1/4	4	8	10	6
1/2	9	5	9	0
3/4	14	2	7	6

Ft. long.	Side 52 ½			Ft. long.	Side 52 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	1	8	1	19	3	10
2	38	3	4	2	38	7	9
3	57	5	0	3	57	11	7
4	76	6	9	4	77	3	6
5	95	8	5	5	96	7	4
6	114	10	1	6	115	11	3
7	133	11	9	7	135	3	1
8	153	1	6	8	154	7	0
9	172	3	2	9	173	10	11
10	191	4	10	10	193	2	9
11	210	6	6	11	212	6	8
12	229	8	3	12	231	10	6
13	248	9	11	13	251	2	5
14	267	11	7	14	270	6	3
15	287	1	3	15	289	10	2
16	306	3	0	16	309	2	1
17	325	4	8	17	328	5	11
18	344	6	4	18	347	9	10
19	363	8	0	19	367	1	8
20	382	9	9	20	386	5	7
21	401	11	5	21	405	9	5
22	421	1	1	22	425	1	4
23	440	2	9	23	444	5	2
24	459	4	6	24	463	9	1
25	478	6	2	25	483	1	0
26	497	7	10	26	502	4	10
27	516	9	6	27	521	8	9
28	535	11	3	28	541	0	7
29	555	0	11	29	560	4	6
30	574	2	7	30	579	8	4
31	593	4	3	31	599	0	3
32	612	6	0	32	618	4	2
33	631	7	8	33	637	8	0
34	650	9	4	34	656	11	11
35	669	11	0	35	676	3	9
36	689	0	9	36	695	7	8
37	708	2	5	37	714	11	6
38	727	4	1	38	734	3	5
39	746	5	9	39	753	7	3
40	765	7	6	40	772	11	2
41	784	9	2	41	792	3	1
42	803	10	10	42	811	6	11
43	823	0	6	43	830	10	10
44	842	2	3	44	850	2	8
45	861	3	11	45	869	6	7

Quarters of a Foot.					Quarters of a Foot.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	4	9	5	0	¼	4	9	11	6
½	9	6	10	0	½	9	7	11	0
¾	14	4	3	0	¾	14	5	10	6

Ft.long.	Side 53 In.			Ft.long.	Side 53 ¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	6	1	1	19	8	3
2	39	0	2	2	39	4	7
3	58	6	3	3	59	0	10
4	78	0	4	4	78	9	2
5	97	6	5	5	98	5	5
6	117	0	6	6	118	1	9
7	136	6	7	7	137	10	0
8	156	0	8	8	157	6	4
9	175	6	9	9	177	2	8
10	195	0	10	10	196	10	11
11	214	6	11	11	216	7	3
12	234	1	0	12	236	3	6
13	253	7	1	13	255	11	10
14	273	1	2	14	275	8	1
15	292	7	3	15	295	4	5
16	312	1	4	16	[illegible]15	0	9
17	331	7	5	17	334	9	0
18	351	1	6	18	354	5	4
19	370	7	7	19	374	1	7
20	390	1	8	20	393	9	11
21	409	7	9	21	413	6	2
22	429	1	10	22	433	2	6
23	448	7	11	23	452	10	9
24	468	2	0	24	472	7	1
25	487	8	1	25	492	3	5
26	507	2	2	26	511	11	8
27	526	8	3	27	531	8	0
28	546	2	4	28	551	4	3
29	565	8	5	29	571	0	7
30	585	2	6	30	590	8	10
31	604	8	7	31	610	5	2
32	624	2	8	32	630	1	6
33	643	8	9	33	649	9	9
34	663	2	10	34	669	6	1
35	682	8	11	35	689	2	4
36	702	3	0	36	708	10	8
37	721	9	1	37	728	6	11
38	741	3	2	38	748	3	3
39	760	9	3	39	767	11	6
40	780	3	4	40	787	7	10
41	799	9	5	41	807	4	2
42	819	3	6	42	827	0	5
43	838	9	7	43	846	8	9
44	858	3	8	44	866	5	0
45	877	9	9	45	886	1	4

Quarters of a Foot.					Quarters of a Foot.				
	Ft	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	4	10	6	3	¼	4	11	0	9
½	9	9	0	6	½	9	10	1	6
¾	14	7	6	9	¾	14	9	2	3

Ft. long.	Side 53 ½			Ft. long.	Side 53 ¾		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	10	6	1	20	0	9
2	39	9	0	2	40	1	6
3	59	7	6	3	60	2	3
4	79	6	1	4	80	3	0
5	99	4	7	5	100	3	9
6	119	3	1	6	120	4	6
7	139	1	7	7	140	5	3
8	159	0	2	8	160	6	0
9	178	10	8	9	180	6	9
10	198	9	2	10	200	7	6
11	218	7	8	11	220	8	3
12	238	6	3	12	240	9	0
13	258	4	9	13	260	9	9
14	278	3	3	14	280	10	6
15	298	1	9	15	300	11	3
16	318	0	4	16	321	0	1
17	337	10	10	17	341	0	10
18	357	9	4	18	361	1	7
19	377	7	10	19	381	2	4
20	397	6	5	20	401	3	1
21	417	4	11	21	421	3	10
22	437	3	5	22	441	4	7
23	457	1	11	23	461	5	4
24	477	0	6	24	481	6	1
25	496	11	0	25	501	6	10
26	516	9	6	26	521	7	7
27	536	8	0	27	541	8	4
28	556	6	7	28	561	9	1
29	576	5	1	29	581	9	10
30	596	3	7	30	601	10	7
31	616	2	1	31	621	11	4
32	636	0	8	32	642	0	2
33	655	11	2	33	662	0	11
34	675	9	8	34	682	1	8
35	695	8	2	35	702	2	5
36	715	6	9	36	722	3	2
37	735	5	3	37	742	3	11
38	755	3	9	38	762	4	8
39	775	2	3	39	782	5	5
40	795	0	10	40	802	6	2
41	814	11	4	41	822	6	11
42	834	9	10	42	842	7	8
43	854	8	4	43	862	8	5
44	874	6	11	44	882	9	2
45	894	5	5	45	902	9	11

Quarters of a Foot					Quarters of a Foot				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
¼	4	11	7	6	¼	5	0	2	3
½	9	11	3	0	½	10	0	4	6
¾	14	10	10	6	¾	15	0	6	9

Ft. long.	Side 54 In.		
	Ft.	In.	Pa.
1	20	3	0
2	40	6	0
3	60	9	0
4	81	0	0
5	101	3	0
6	121	6	0
7	141	9	0
8	162	0	0
9	182	3	0
10	202	6	0
11	222	9	0
12	243	0	0
13	263	3	0
14	283	6	0
15	303	9	0
16	324	0	0
17	344	3	0
18	364	6	0
19	384	9	0
20	405	0	0
21	425	3	0
22	445	6	0
23	465	9	0
24	486	0	0
25	506	3	0
26	526	6	0
27	546	9	0
28	567	0	0
29	587	3	0
30	607	6	0
31	627	9	0
32	648	0	0
33	668	3	0
34	688	6	0
35	708	9	0
36	729	0	0
37	749	3	0
38	769	6	0
39	789	9	0
40	810	0	0
41	830	3	0
42	850	6	0
43	870	9	0
44	891	0	0
45	911	3	0

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	5	0	9	0
$\frac{1}{2}$	10	1	6	0
$\frac{3}{4}$	15	2	3	0

NEW

TABLES

Shewing the VALUE of

TIMBER, STONE, &c.

Cut to any Size or Scantling.

At the ſeveral Prices of

1s. 6d. 2s. 2s. 6d. and 3s. per Foot Cube.

And which, by Addition or Subtraction only, will ſhew the Value at any greater or Leſs Prices.

N. B. In the Tables at 1s. 6d. 2s. and 2s. 6d. the Value is given in Pence and eighths of a Penny: but in the Table at 3s. the Value is given in Pence and Farthings.

The NEW TABLE of *Scantlings*, at 1*s.* 6*d. per Foot Cube.*

2 In. Sq.

by	d.	⅛
2	0	5
3	0	6
2	0	7
4	1	0
2	1	1
5	1	2
2	1	3
6	1	4
2	1	5
7	1	6
2	1	7
8	2	0
2	2	1
9	2	2
2	2	3
10	2	4
2	2	5
11	2	6
2	2	7
12	3	0

2 ½ Sqr.

by	d.	⅛
2	0	6
3	0	7
2	1	0
4	1	2
2	1	3
5	1	4
2	1	5
6	1	7
2	2	0
7	2	1
2	2	2
8	2	4
2	2	5
9	2	6
2	2	7
10	3	1
2	3	2
11	3	3
2	3	4
12	3	6

3 In. Sq.

by	d.	⅛
3	1	1
2	1	2
4	1	4
2	1	5
5	1	7
2	2	0
6	2	2
2	2	3
7	2	5
2	2	6
8	3	0
2	3	1
9	3	3
2	3	4
10	3	6
2	3	7
11	4	1
2	4	2
12	4	4

3 ½ Sqr.

by	d.	⅛
2	1	4
4	1	6
2	1	7
5	2	1
2	2	3
6	2	5
2	2	7
7	3	0
2	3	2
8	3	4
2	3	5
9	3	7
2	4	1
10	4	3
2	4	4
11	4	6
2	5	0
12	5	2

4 In. Sq.

by	d.	⅛
4	2	0
2	2	2
5	2	4
2	2	6
6	3	0
2	3	2
7	3	4
2	3	6
8	4	0
2	4	2
9	4	4
2	4	6
10	5	0
2	5	2
11	5	4
2	5	6
12	6	0

4 ½ Sqr.

by	d	⅛
2	2	4
5	2	6
2	3	0
6	3	3
2	3	5
7	3	7
2	4	1
8	4	4
2	4	6
9	5	0
2	5	2
10	5	5
2	5	7
11	6	1
2	6	3
12	6	6

5 In. Sq.

by	d.	⅛
5	3	1
2	3	3
6	3	6
2	4	0
7	4	3
2	4	5
8	5	0
2	5	2
9	5	5
2	5	7
10	6	2
2	6	4
11	6	7
2	7	1
12	7	4

5½ Sqr.

by	d.	⅛
2	3	6
6	4	1
2	4	3
7	4	6
2	5	1
8	5	4
2	5	6
9	6	1
2	6	4
10	6	7
2	7	1
11	7	4
2	7	7
12	8	2

6 In. Sq.

by	d.	⅛
6	4	4
2	4	7
7	5	2
2	5	5
8	6	0
2	6	3
9	6	6
2	7	1
10	7	4
2	7	7
11	8	2
2	8	5
12	9	0

6 ½ Sqr.

by	d	⅛
2	5	2
7	5	5
2	6	0
8	6	4
2	6	7
9	7	2
2	7	5
10	8	1
2	8	4
11	8	7
2	9	2
12	9	6

7 In. Sq.

by	d.	⅛
7	6	1
2	6	4
8	7	0
2	7	3
9	7	7
2	8	2
10	8	6
2	9	1
11	9	5
2	10	0
12	10	4

7 ½ Sqr.

by	d.	⅛
2	7	0
8	7	4
2	7	7
9	8	3
2	8	7
10	9	3
2	9	6
11	10	2
2	10	6
12	11	2

8 In. Sq.

by	d.	⅛
8	8	0
2	8	4
9	9	0
2	9	4
10	10	0
2	10	4
11	11	0
2	11	4
12	12	0

8 ½ Sqr.

by	d.	⅛
2	9	0
9	9	4
2	10	0
10	10	5
2	11	1
11	11	5
2	12	1
12	12	6

9 In. Sq.

by	d.	⅛
9	10	1
2	10	5
10	11	2
2	11	6
11	12	3
2	12	7
12	13	4

9 ½ Sqr.

by	d.	⅛
2	11	2
10	11	7
2	12	3
11	13	0
2	13	5
12	14	2

10 In. Sq.

by	d.	⅛
10	12	4
2	13	1
11	13	6
2	14	3
12	15	0

10½ Sqr.

by	d.	⅛
2	13	6
11	14	3
2	15	0
12	15	6

11 In. Sq.

by	d.	⅛
11	15	1
2	15	6
12	16	4

11½ Sqr.

by	d.	⅛
2	16	4
12	17	2

The NEW TABLE of *Scantlings*, *at* 2*s. per Foot Cube.*

2 In. Sq.

by	d.	$\frac{1}{8}$
2	0	6
3	1	0
2	1	1
4	1	2
2	1	4
5	1	5
2	1	7
6	2	0
2	2	1
7	2	2
2	2	4
8	2	5
2	2	6
9	3	0
2	3	1
10	3	2
2	3	4
11	3	5
2	3	6
12	4	0

2$\frac{1}{2}$ Sqr.

by	d.	$\frac{1}{8}$
2	1	0
3	1	2
2	1	3
4	1	5
2	1	7
5	2	0
2	2	2
6	2	4
2	2	5
7	2	6
2	3	1
8	3	2
2	3	4
9	3	6
2	3	7
10	4	1
2	4	3
11	4	4
2	4	6
12	5	0

3 In. Sq.

by	d.	$\frac{1}{8}$
3	1	4
2	1	6
4	2	0
2	2	2
5	2	4
2	2	6
6	3	0
2	3	2
7	3	4
2	3	6
8	4	0
2	4	2
9	4	4
2	4	6
10	5	0
2	5	2
11	5	4
2	5	6
12	6	0

3$\frac{1}{2}$ Sqr.

by	d.	$\frac{1}{8}$
2	2	0
4	2	2
2	2	5
5	2	7
2	3	2
6	3	4
2	3	6
7	4	0
2	4	3
8	4	5
2	4	7
9	5	2
2	5	4
10	5	6
2	6	0
11	6	2
2	6	5
12	7	0

4 In. Sq.

by	d.	$\frac{1}{8}$
4	2	5
2	3	0
5	3	2
2	3	5
6	4	0
2	4	2
7	4	5
2	5	0
8	5	2
2	5	5
9	6	0
2	6	2
10	6	5
2	7	0
11	7	2
2	7	5
12	8	0

4$\frac{1}{2}$ Sqr.

by	d.	$\frac{1}{8}$
2	3	3
5	3	6
2	4	1
6	4	4
2	4	7
7	5	2
2	5	5
8	6	0
2	6	3
9	6	6
2	7	1
10	7	4
2	7	7
11	8	2
2	8	5
12	9	0

5 In. Sq.

by	d.	$\frac{1}{8}$
5	4	1
2	4	4
6	5	0
2	5	3
7	5	6
2	6	2
8	6	5
2	7	0
9	7	4
2	7	7
10	8	2
2	8	6
11	9	1
2	9	4
12	10	0

5½ Sqr.

by	d.	⅛
2	5	0
6	5	4
2	5	7
7	6	2
2	6	7
8	7	2
2	7	6
9	8	2
2	8	5
10	9	1
2	9	5
11	10	0
2	10	4
12	16	0

6 In. Sq.

by	d.	⅛
6	6	0
2	6	4
7	7	1
2	7	4
8	8	0
2	8	4
9	9	0
2	9	4
10	10	0
2	10	4
11	11	0
2	11	4
12	12	0

6½ Sqr.

by	d.	⅛
2	7	0
7	7	4
2	8	0
8	8	5
2	9	1
9	9	6
2	10	2
10	10	6
2	11	3
11	11	7
2	12	3
12	13	0

7 In. Sq.

by	d.	⅛
7	8	1
2	8	6
8	9	2
2	9	7
9	10	4
2	11	0
10	11	5
2	12	2
11	12	6
2	13	3
12	14	0

7½ Sqr.

by	d.	⅛
2	9	3
8	10	0
2	10	4
9	11	2
2	11	7
10	12	4
2	13	1
11	13	6
2	14	3
12	15	0

8 In. Sq.

by	d.	⅛
8	10	5
2	11	2
9	12	0
2	12	5
10	13	2
2	14	0
11	14	5
2	15	2
12	16	0

8½ Sqr.

by	d.	⅛
2	12	0
9	12	6
2	13	3
10	14	1
2	14	7
11	15	4
2	16	2
12	17	0

9 In. Sq.

by	d.	⅛
9	13	4
2	14	2
10	15	0
2	15	6
11	16	4
2	17	2
12	18	0

9½ Sqr.

by	d.	⅛
2	15	0
10	15	6
2	16	4
11	17	3
2	18	2
12	19	0

10 In. Sq.

by	d.	⅛
10	16	5
2	17	4
11	18	2
2	19	1
12	20	0

10½ Sqr.

by	d.	⅛
2	18	3
11	19	2
2	20	1
12	21	0

11 In. Sq.

by	d.	⅛
11	20	0
2	21	0
12	22	0

11½ Sqr.

by	d.	⅛
2	22	0
12	23	0

The NEW TABLE of *Scantlings*, *at* 2*s*. 6*d*. *per Foot Cube*.

2 In. Sq.

by	d.	$\frac{1}{8}$
2	1	0
3	1	1
2	1	3
4	1	5
2	1	6
5	2	0
2	2	2
6	2	4
2	2	6
7	2	7
2	3	0
8	3	2
2	3	4
9	3	6
2	3	7
10	4	0
2	4	2
11	4	4
2	4	6
12	5	0

2$\frac{1}{2}$ Sqr.

by	d.	$\frac{1}{8}$
2	1	2
3	1	4
2	1	5
4	2	0
2	2	1
5	2	4
2	2	5
6	3	0
2	3	1
7	3	3
2	3	6
8	4	0
2	4	2
9	4	3
2	4	5
10	5	0
2	5	1
11	5	3
2	5	6
12	6	2

3 In. Sq.

by	d	$\frac{1}{8}$
3	1	7
2	2	1
4	2	4
2	2	6
5	3	1
2	3	3
6	3	6
2	4	0
7	4	2
2	4	4
8	5	0
2	5	2
9	5	4
2	5	7
10	6	2
2	6	4
11	6	7
2	7	0
12	7	4

3$\frac{1}{2}$ Sqr.

by	d.	$\frac{1}{8}$
2	2	4
4	2	7
2	3	1
5	3	4
2	4	0
6	4	2
2	4	5
7	5	0
2	5	4
8	5	6
2	6	0
9	6	3
2	6	7
10	7	2
2	7	4
11	7	7
2	8	3
12	8	6

4 In. Sq

by	d.	$\frac{1}{8}$
4	3	2
2	3	7
5	4	1
2	4	4
6	5	0
2	5	2
7	5	6
2	6	2
8	6	4
2	7	0
9	7	2
2	7	6
10	8	1
2	8	4
11	9	0
2	9	4
12	10	0

4$\frac{1}{2}$ Sqr.

by	d.	$\frac{1}{8}$
2	4	2
5	4	4
2	5	0
6	5	4
2	6	0
7	6	3
2	6	6
8	7	2
2	7	6
9	8	2
2	8	5
10	9	0
2	9	4
11	9	7
2	10	2
12	11	1

5 In. Sq.

by	d.	$\frac{1}{8}$
5	5	0
2	5	5
6	6	2
2	6	5
7	7	2
2	7	5
8	8	1
2	8	5
9	9	2
2	9	5
10	10	2
2	10	5
11	11	1
2	11	5
12	12	4

5 ½ Sqr.

by	d.	⅛
2	6	2
6	6	7
2	7	2
7	7	7
2	8	3
8	9	0
2	9	3
9	10	0
2	10	4
10	11	2
2	11	5
11	12	1
2	12	6
12	13	6

6 In. Sq.

by	d.	⅛
6	7	4
2	8	0
7	8	4
2	9	0
8	10	0
2	10	5
9	11	2
2	11	7
10	12	4
2	13	1
11	13	6
2	14	2
12	15	0

6 ½ Sqr.

by	d.	⅛
2	8	6
7	9	2
2	10	0
8	10	7
2	11	3
9	12	0
2	12	6
10	13	2
2	13	7
11	14	2
2	15	0
12	16	2

7 In. Sq.

by	d.	⅛
7	10	1
2	10	7
8	1	4
2	12	1
9	13	1
2	13	6
10	14	4
2	15	3
11	16	0
2	16	6
12	17	4

7 ½ Sqr.

by	d.	⅛
2	11	6
8	12	4
2	13	1
9	14	0
2	14	6
10	15	5
2	16	3
11	17	1
2	17	7
12	18	6

8 In .Sq.

by	d.	⅛
8	13	2
2	14	0
9	15	0
2	15	6
10	16	4
2	17	4
11	18	2
2	19	0
12	20	0

8 ½ Sqr.

by	d.	⅛
2	15	0
9	15	7
2	16	5
10	17	5
2	18	4
11	19	2
2	20	2
12	21	2

9 In. Sq

by	d.	⅛
9	16	7
2	17	6
10	18	6
2	19	2
11	20	5
2	21	4
12	22	4

9 ½ Sqr.

by	d.	⅛
2	18	6
10	19	5
2	20	5
11	21	5
2	22	6
12	23	6

10 In.Sq.

by	d.	⅛
10	20	6
2	21	7
11	22	7
2	23	7
12	25	0

10 ½ Sqr.

by	d.	⅛
2	22	7
11	24	0
2	25	1
12	26	2

11 In.Sq.

by	d.	⅛
11	25	0
2	26	2
12	27	4

11 ½ Sqr.

by	d.	⅛
2	27	6
12	28	6

The NEW TABLE of *Scantlings* at 3*s*. *per Foot Cube*.

2 In. Sq.

by	d.	q.
2	1	1
3	1	2
2	1	3
4	2	0
2	2	1
5	2	2
2	2	3
6	3	0
2	3	1
7	3	2
2	3	3
8	4	0
2	4	1
9	4	2
2	4	3
10	5	0
2	5	1
11	5	2
2	5	3
12	6	0

2 ½ Sqr.

by	d.	q.
2	1	2
3	1	3
2	2	0
4	2	2
2	2	3
5	3	0
2	3	1
6	3	3
2	4	0
7	4	1
2	4	2
8	5	0
2	5	1
9	5	2
2	5	3
10	6	1
2	6	2
11	6	3
2	7	0
12	7	2

3 In. Sq.

by	d.	q.
3	2	1
2	2	2
4	3	0
2	3	1
5	3	3
2	4	0
6	4	2
2	4	3
7	5	1
2	5	2
8	6	0
2	6	1
9	6	3
2	7	0
10	7	2
2	7	3
11	8	1
2	8	2
12	9	0

3 ½ Sqr.

by	d.	q.
2	3	0
4	3	2
2	3	3
5	4	1
2	4	3
6	5	1
2	5	2
7	6	0
2	6	2
8	7	0
2	7	1
9	7	3
2	8	1
10	8	3
2	9	0
11	9	2
2	10	0
12	10	2

4 In. Sq.

by	d.	q.
4	4	0
2	4	2
5	5	0
2	5	2
6	6	0
2	6	2
7	7	0
2	7	2
8	8	0
2	8	2
9	9	0
2	9	2
10	10	0
2	10	2
11	11	0
2	11	2
12	12	0

4 ½ Sqr.

by	d	q.
2	5	0
5	5	2
2	6	0
6	6	3
2	7	1
7	7	3
2	8	1
8	9	0
2	9	2
9	10	0
2	10	2
10	11	1
2	11	3
11	12	1
2	12	3
12	13	2

5 In. Sq.

by	d.	q.
5	6	1
2	6	3
6	7	2
2	8	0
7	8	3
2	9	1
8	10	0
2	10	2
9	11	1
2	11	3
10	12	2
2	13	0
11	13	3
2	14	1
12	15	0

5½ Sqr.

by	d.	q.
2	7	2
6	8	1
2	8	3
7	9	2
2	10	1
8	11	0
2	11	2
9	12	1
2	13	0
10	13	3
2	14	1
11	15	0
2	15	3
12	16	2

6 In. Sq.

by	d.	q.
6	9	0
2	9	3
7	10	2
2	11	1
8	12	0
2	12	3
9	13	2
2	14	1
10	15	0
2	15	3
11	16	2
2	17	1
12	18	0

6½ Sqr.

by	d.	q.
2	10	2
7	11	1
2	12	0
8	13	0
2	13	3
9	14	2
2	15	1
10	16	1
2	17	0
11	17	3
2	18	2
12	19	2

7 In. Sq.

by	d.	q.
7	12	1
2	13	0
8	14	0
2	14	3
9	15	3
2	16	2
10	17	2
2	18	1
11	19	1
2	20	0
12	21	0

7½ Sqr.

by	d.	q.
2	14	0
8	15	0
2	15	3
9	16	3
2	17	3
10	18	3
2	19	2
11	20	2
2	21	2
12	22	2

8 In. Sq.

by	d.	q.
8	16	0
2	17	0
9	18	0
2	19	0
10	20	0
2	21	0
11	22	0
2	23	0
12	24	0

8½ Sqr.

by	d.	q
2	18	0
9	19	0
2	20	0
10	21	1
2	22	1
11	23	1
2	24	1
12	25	2

9 In. Sq.

by	d.	q.
9	20	1
2	21	1
10	22	2
2	23	2
11	24	3
2	25	3
12	27	0

9½ Sqr.

by	d.	q.
2	22	2
10	23	3
2	24	3
11	26	0
2	27	1
12	28	2

10 In. Sq.

by	d.	q.
10	25	0
2	26	1
11	27	2
2	28	3
12	30	0

10½ Sqr.

by	d.	q.
2	27	2
11	28	3
2	30	0
12	31	2

11 In. Sq.

by	d.	q
11	30	1
2	31	2
12	33	0

11½ Sqr.

by	d.	q
2	33	0
12	34	[illegible]

The NEW TABLE of *Scantlings* at 3*s*. *per Foot Cube*.

2 In. Sq.

by	d.	q.
2	1	1
3	1	2
2	1	3
4	2	0
2	2	1
5	2	2
2	2	3
6	3	0
2	3	1
7	3	2
2	3	3
8	4	0
2	4	1
9	4	2
2	4	3
10	5	0
2	5	1
11	5	2
2	5	3
12	6	0

2 ½ Sqr.

by	d.	q.
2	1	2
3	1	3
2	2	0
4	2	2
2	2	3
5	3	0
2	3	1
6	3	3
2	4	0
7	4	1
2	4	2
8	5	0
2	5	1
9	5	2
2	5	3
10	6	1
2	6	2
11	6	3
2	7	0
12	7	2

3 In. Sq.

by	d.	q.
3	2	1
2	2	2
4	3	0
2	3	1
5	3	3
2	4	0
6	4	2
2	4	3
7	5	1
2	5	2
8	6	0
2	6	1
9	6	3
2	7	0
10	7	2
2	7	3
11	8	1
2	8	2
12	9	0

3 ½ Sqr.

by	d.	q.
2	3	0
4	3	2
2	3	3
5	4	1
2	4	3
6	5	1
2	5	2
7	6	0
2	6	2
8	7	0
2	7	1
9	7	3
2	8	1
10	8	3
2	9	0
11	9	2
2	10	0
12	10	2

4 In. Sq.

by	d.	q.
4	4	0
2	4	2
5	5	0
2	5	2
6	6	0
2	6	2
7	7	0
2	7	2
8	8	0
2	8	2
9	9	0
2	9	2
10	10	0
2	10	2
11	11	0
2	11	2
12	12	0

4 ½ Sqr.

by	d	q.
2	5	0
5	5	2
2	6	0
6	6	3
2	7	1
7	7	3
2	8	1
8	9	0
2	9	2
9	10	0
2	10	2
10	11	1
2	11	3
11	12	1
2	12	3
12	13	2

5 In. Sq.

by	d.	q.
5	6	1
2	6	3
6	7	2
2	8	0
7	8	3
2	9	1
8	10	0
2	10	2
9	11	1
2	11	3
10	12	2
2	13	0
11	13	3
2	14	1
12	15	0

5½ Sqr.

by	d.	q.
2	7	2
6	8	1
2	8	3
7	9	2
2	10	1
8	11	0
2	11	2
9	12	1
2	13	0
10	13	3
2	14	1
11	15	0
2	15	3
12	16	2

6 In. Sq.

by	d.	q.
6	9	0
2	9	3
7	10	2
2	11	1
8	12	0
2	12	3
9	13	2
2	14	1
10	15	0
2	15	3
11	16	2
2	17	1
12	18	0

6½ Sqr.

by	d.	q.
2	10	2
7	11	1
2	12	0
8	13	0
2	13	3
9	14	2
2	15	1
10	16	1
2	17	0
11	17	3
2	18	2
12	19	2

7 In. Sq.

by	d.	q.
7	12	1
2	13	0
8	14	0
2	14	3
9	15	3
2	16	2
10	17	2
2	18	1
11	19	1
2	20	0
12	21	0

7½ Sqr.

by	d.	q.
2	14	0
8	15	0
2	15	3
9	16	3
2	17	3
10	18	3
2	19	2
11	20	2
2	21	2
12	22	2

8 In. Sq.

by	d.	q.
8	16	0
2	17	0
9	18	0
2	19	0
10	20	0
2	21	0
11	22	0
2	23	0
12	24	0

8½ Sqr.

by	d.	q
2	18	0
9	19	0
2	20	0
10	21	1
2	22	1
11	23	1
2	24	1
12	25	2

9 In. Sq.

by	d.	q.
9	20	1
2	21	1
10	22	2
2	23	2
11	24	3
2	25	3
12	27	0

9½ Sqr.

by	d.	q.
2	22	2
10	23	3
2	24	3
11	26	0
2	27	1
12	28	2

10 In. Sq.

by	d.	q.
10	25	0
2	26	1
11	27	2
2	28	3
12	30	0

10½ Sqr.

by	d.	q.
2	27	2
11	28	3
2	30	0
12	31	2

11 In. Sq.

by	d.	q
11	30	1
2	31	2
12	33	0

11½ Sqr.

by	d.	q.
2	33	0
12	34	2

A NEW

TABLE

OF

Superficial or Flat MEASURE,

Ready caſt up.

Whereby the Superficial Content, and conſequently the Value of any Quantity of Board, Glaſs, &c. may be found AT SIGHT, from 1 Inch to 24 Inches, the Breadth, and from a Quarter of an Inch to 24 Feet, the Length.

And therefore, by Addition only, may ſerve to any greater Breadth or Length, if there ſhould ever be Occaſion.

Ft.long.	1 In. broad.			Ft.long.	1 ½ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	0	1	0	1	3
2	0	2	0	2	0	2	6
3	0	3	0	3	0	3	9
4	0	4	0	4	0	5	0
5	0	5	0	5	0	6	3
6	0	6	0	6	0	7	6
7	0	7	0	7	0	8	9
8	0	8	0	8	0	10	0
9	0	9	0	9	0	11	3
10	0	10	0	10	1	0	6
11	0	11	0	11	1	1	9
12	1	0	0	12	1	3	0
13	1	1	0	13	1	4	3
14	1	2	0	14	1	5	6
15	1	3	0	15	1	6	9
16	1	4	0	16	1	8	0
17	1	5	0	17	1	9	3
18	1	6	0	18	1	10	6
19	1	7	0	19	1	11	9
20	1	8	0	20	2	1	0
21	1	9	0	21	2	2	3
22	1	10	0	22	2	3	6
23	1	11	0	23	2	4	9
24	2	0	0	24	2	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	1	0	1	0	0	1	3
2	0	0	2	0	2	0	0	2	6
3	0	0	3	0	3	0	0	3	9
4	0	0	4	0	4	0	0	5	0
5	0	0	5	0	5	0	0	6	3
6	0	0	6	0	6	0	0	7	6
7	0	0	7	0	7	0	0	8	9
8	0	0	8	0	8	0	0	10	0
9	0	0	9	0	9	0	0	11	3
10	0	0	10	0	10	0	1	0	6
11	0	0	11	0	11	0	1	1	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	0	3	0	¼	0	0	3	9
½	0	0	6	0	½	0	0	7	6
¾	0	0	9	0	¾	0	0	10	3

Ft. long.	1½ broad. Ft.	In.	Pa.	Ft. long.	1¾ broad. Ft.	In.	Pa.
1	0	1	6	1	0	1	9
2	0	3	0	2	0	3	6
3	0	4	6	3	0	5	3
4	0	6	0	4	0	7	0
5	0	7	6	5	0	8	9
6	0	9	0	6	0	10	6
7	0	10	6	7	1	0	3
8	1	0	0	8	1	2	0
9	1	1	6	9	1	3	9
10	1	3	0	10	1	5	6
11	1	4	6	11	1	7	3
12	1	6	0	12	1	9	0
13	1	7	6	13	1	10	9
14	1	9	0	14	2	0	6
15	1	10	6	15	2	2	3
16	2	0	0	16	2	4	0
17	2	1	6	17	2	5	9
18	2	3	0	18	2	7	6
19	2	4	6	19	2	9	3
20	2	6	0	20	2	11	0
21	2	7	6	21	3	0	9
22	2	9	0	22	3	2	6
23	2	10	6	23	3	4	3
24	3	0	0	24	3	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	1	6	1	0	0	1	9
2	0	0	3	0	2	0	0	3	6
3	0	0	4	6	3	0	0	5	3
4	0	0	6	0	4	0	0	7	0
5	0	0	7	6	5	0	0	8	9
6	0	0	9	0	6	0	0	10	6
7	0	0	10	6	7	0	1	0	3
8	0	1	0	0	8	0	1	2	0
9	0	1	1	6	9	0	1	3	9
10	0	1	3	0	10	0	1	5	6
11	0	1	4	6	11	0	1	7	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T
¼	0	0	4	6	¼	0	0	5	3
½	0	0	9	0	½	0	0	10	6
¾	0	1	1	6	¾	0	1	3	9

Ft. long.	2 In. broad.			Ft. long.	2¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	0	1	0	2	3
2	0	4	0	2	0	4	6
3	0	6	0	3	0	6	9
4	0	8	0	4	0	9	0
5	0	10	0	5	0	11	3
6	1	0	0	6	1	1	6
7	1	2	0	7	1	3	9
8	1	4	0	8	1	6	0
9	1	6	0	9	1	8	3
10	1	8	0	10	1	10	6
11	1	10	0	11	2	0	9
12	2	0	0	12	2	3	0
13	2	2	0	13	2	5	3
14	2	4	0	14	2	7	6
15	2	6	0	15	2	9	9
16	2	8	0	16	3	0	0
17	2	10	0	17	3	2	3
18	3	0	0	18	3	4	6
19	3	2	0	19	3	6	9
20	3	4	0	20	3	9	0
21	3	6	0	21	3	11	3
22	3	8	0	22	4	1	6
23	3	10	0	23	4	3	9
24	4	0	0	24	4	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	2	0	1	0	0	2	3
2	0	0	4	0	2	0	0	4	6
3	0	0	6	0	3	0	0	6	9
4	0	0	8	0	4	0	0	9	0
5	0	0	10	0	5	0	0	11	3
6	0	1	0	0	6	0	1	1	6
7	0	1	2	0	7	0	1	3	9
8	0	1	4	0	8	0	1	6	0
9	0	1	6	0	9	0	1	8	3
10	0	1	8	0	10	0	1	10	6
11	0	1	10	0	11	0	2	0	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	0	6	0	¼	0	0	6	9
½	0	1	0	0	½	0	1	1	6
¾	0	1	6	0	¾	0	1	8	3

Ft. long.	2 ½ broad.			Ft. long.	2 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	6	1	0	2	9
2	0	5	0	2	0	5	6
3	0	7	6	3	0	8	3
4	0	10	0	4	0	11	0
5	1	0	6	5	1	1	9
6	1	3	0	6	1	4	6
7	1	5	6	7	1	7	3
8	1	8	0	8	1	10	0
9	1	10	6	9	2	0	9
10	2	1	0	10	2	3	6
11	2	3	6	11	2	6	3
12	2	6	0	12	2	9	0
13	2	8	6	13	2	11	9
14	2	11	0	14	3	2	6
15	3	1	6	15	3	5	3
16	3	4	0	16	3	8	0
17	3	6	6	17	3	10	9
18	3	9	0	18	4	1	6
19	3	11	6	19	4	4	3
20	4	2	0	20	4	7	0
21	4	4	6	21	4	9	9
22	4	7	0	22	5	0	6
23	4	9	6	23	5	3	3
24	5	0	0	24	5	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	2	6	1	0	0	2	9
2	0	0	5	0	2	0	0	5	6
3	0	0	7	6	3	0	0	8	3
4	0	0	10	0	4	0	0	11	0
5	0	1	0	6	5	0	1	1	9
6	0	1	3	0	6	0	1	4	6
7	0	1	5	6	7	0	1	7	3
8	0	1	8	0	8	0	1	10	0
9	0	1	10	6	9	0	2	0	9
10	0	2	1	0	10	0	2	3	6
11	0	2	3	6	11	0	2	6	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	0	7	6	¼	0	0	8	3
½	0	1	3	0	½	0	1	4	6
¾	0	1	10	6	¾	0	2	0	9

Ft. long.	3 In. broad,			Ft. long.	3 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	0	1	0	3	3
2	0	6	0	2	0	6	6
3	0	9	0	3	0	9	9
4	1	0	0	4	1	1	0
5	1	3	0	5	1	4	3
6	1	6	0	6	1	7	6
7	1	9	0	7	1	10	9
8	2	0	0	8	2	2	0
9	2	3	0	9	2	5	3
10	2	6	0	10	2	8	6
11	2	9	0	11	2	11	9
12	3	0	0	12	3	3	0
13	3	3	0	13	3	6	3
14	3	6	0	14	3	9	6
15	3	9	0	15	4	0	9
16	4	0	0	16	4	4	0
17	4	3	0	17	4	7	3
18	4	6	0	18	4	10	6
19	4	9	0	19	5	1	9
20	5	0	0	20	5	5	0
21	5	3	0	21	5	8	3
22	5	6	0	22	5	11	6
23	5	9	0	23	6	2	9
24	6	0	0	24	6	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	3	0	1	0	0	3	3
2	0	0	6	0	2	0	0	6	6
3	0	0	9	0	3	0	0	9	9
4	0	1	0	0	4	0	1	1	0
5	0	1	3	0	5	0	1	4	3
6	0	1	6	0	6	0	1	7	6
7	0	1	9	0	7	0	1	10	9
8	0	2	0	0	8	0	2	2	0
9	0	2	3	0	9	0	2	5	3
10	0	2	6	0	10	0	2	8	6
11	0	2	9	0	11	0	2	11	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T
¼	0	0	9	0	¼	0	0	9	9
½	0	1	6	0	½	0	1	7	6
¾	0	2	3	0	¾	0	2	5	3

Ft. long.	3½ broad.			Ft. long.	3¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	6	1	0	3	9
2	0	7	0	2	0	7	6
3	0	10	6	3	0	11	3
4	1	2	0	4	1	3	0
5	1	5	6	5	1	6	9
6	1	9	0	6	1	10	6
7	2	0	6	7	2	2	3
8	2	4	0	8	2	6	0
9	2	7	6	9	2	9	9
10	2	11	0	10	3	1	6
11	3	2	6	11	3	5	3
12	3	6	0	12	3	9	0
13	3	9	6	13	4	0	9
14	4	1	0	14	4	4	6
15	4	4	6	15	4	8	3
16	4	8	0	16	5	0	0
17	4	11	6	17	5	3	9
18	5	3	0	18	5	7	6
19	5	6	6	19	5	11	3
20	5	10	0	20	6	3	0
21	6	1	6	21	6	6	9
22	6	5	0	22	6	10	6
23	6	8	6	23	7	2	3
24	7	0	0	24	7	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft	In.	Pa	S.
1	0	0	3	6	1	0	0	3	9
2	0	0	7	0	2	0	0	7	6
3	0	0	10	6	3	0	0	11	3
4	0	1	2	0	4	0	1	3	0
5	0	1	5	6	5	0	1	6	9
6	0	1	9	0	6	0	1	10	6
7	0	2	0	6	7	0	2	2	3
8	0	2	4	0	8	0	2	6	0
9	0	2	7	6	9	0	2	9	9
10	0	2	11	0	10	0	3	1	6
11	0	3	2	6	11	0	3	5	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	0	10	6	¼	0	0	11	3
½	0	1	9	0	½	0	1	10	6
¾	0	2	7	6	¾	0	2	9	9

Ft. long.	4 In. broad.			Ft. long.	4¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa
1	0	4	0	1	0	4	3
2	0	8	0	2	0	8	6
3	1	0	0	3	1	0	9
4	1	4	0	4	1	5	0
5	1	8	0	5	1	9	3
6	2	0	0	6	2	1	6
7	2	4	0	7	2	5	9
8	2	8	0	8	2	10	0
9	3	0	0	9	3	2	3
10	3	4	0	10	3	6	6
11	3	8	0	11	3	10	9
12	4	0	0	12	4	3	0
13	4	4	0	13	4	7	3
14	4	8	0	14	4	11	6
15	5	0	0	15	5	3	9
16	5	4	0	16	5	8	0
17	5	8	0	17	6	0	3
18	6	0	0	18	6	4	6
19	6	4	0	19	6	8	9
20	6	8	0	20	7	1	0
21	7	0	0	21	7	5	3
22	7	4	0	22	7	9	6
23	7	8	0	23	8	1	9
24	8	0	0	24	8	6	0

Inches long.	Ft.	In.	Pa.	S	Inches long.	Ft.	In.	Pa.	S.
1	0	0	4	0	1	0	0	4	3
2	0	0	8	0	2	0	0	8	6
3	0	1	0	0	3	0	1	0	9
4	0	1	4	0	4	0	1	5	0
5	0	1	8	0	5	0	1	9	3
6	0	2	0	0	6	0	2	1	6
7	0	2	4	0	7	0	2	5	9
8	0	2	8	0	8	0	2	10	0
9	0	3	0	0	9	0	3	2	3
10	0	3	4	0	10	0	3	6	6
11	0	3	8	0	11	0	3	10	9

Qrs. In. long	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	0	0	¼	0	1	0	9
½	0	2	0	0	½	0	2	1	6
¾	0	3	0	0	¾	0	3	2	3

Ft. long.	4 ½ broad. Ft.	In.	Pa.	Ft. long.	4 ¾ broad. Ft.	In.	Pa.
1	0	4	6	1	0	4	9
2	0	9	0	2	0	9	6
3	1	1	6	3	1	2	3
4	1	6	0	4	1	7	0
5	1	10	6	5	1	11	9
6	2	3	0	6	2	4	6
7	2	7	6	7	2	9	3
8	3	0	0	8	3	2	0
9	3	4	6	9	3	6	9
10	3	9	0	10	3	11	6
11	4	1	6	11	4	4	3
12	4	6	0	12	4	9	0
13	4	10	6	13	5	1	9
14	5	3	0	14	5	6	6
15	5	7	6	15	5	11	3
16	6	0	0	16	6	4	0
17	6	4	6	17	6	8	9
18	6	9	0	18	7	1	6
19	7	1	6	19	7	6	3
20	7	6	0	20	7	11	0
21	7	10	6	21	8	3	9
22	8	3	0	22	8	8	6
23	8	7	6	23	9	1	3
24	9	0	0	24	9	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S
1	0	0	4	6	1	0	0	4	9
2	0	0	9	0	2	0	0	9	6
3	0	1	1	6	3	0	1	2	3
4	0	1	6	0	4	0	1	7	0
5	0	1	10	6	5	0	1	11	9
6	0	2	3	0	6	0	2	4	6
7	0	2	7	6	7	0	2	9	3
8	0	3	0	0	8	0	3	2	0
9	0	3	4	6	9	0	3	6	9
10	0	3	9	0	10	0	3	11	6
11	0	4	1	6	11	0	4	4	3

Qrs. In. long.	In.	Pa.	S	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	1	6	¼	0	1	2	3
½	0	2	3	0	½	0	2	4	6
¾	0	3	4	6	¾	0	3	6	9

Ft. long.	5 In. broad.			Ft. long.	5 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	5	0	1	0	5	3
2	0	10	0	2	0	10	6
3	1	3	0	3	1	3	9
4	1	8	0	4	1	9	0
5	2	1	0	5	2	2	3
6	2	6	0	6	2	7	6
7	2	11	0	7	3	0	9
8	3	4	0	8	3	6	0
9	3	9	0	9	3	11	3
10	4	2	0	10	4	4	6
11	4	7	0	11	4	9	9
12	5	0	0	12	5	3	0
13	5	5	0	13	5	8	3
14	5	10	0	14	6	1	6
15	6	3	0	15	6	6	9
16	6	8	0	16	7	0	0
17	7	1	0	17	7	5	3
18	7	6	0	18	7	10	6
19	7	11	0	19	8	3	9
20	8	4	0	20	8	9	0
21	8	9	0	21	9	2	3
22	9	2	0	22	9	7	6
23	9	7	0	23	10	0	9
24	10	0	0	24	10	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S
1	0	0	5	0	1	0	0	5	3
2	0	0	10	0	2	0	0	10	6
3	0	1	3	0	3	0	1	3	9
4	0	1	8	0	4	0	1	9	0
5	0	2	1	0	5	0	2	2	3
6	0	2	6	0	6	0	2	7	6
7	0	2	11	0	7	0	3	0	9
8	0	3	4	0	8	0	3	6	0
9	0	3	9	0	9	0	3	11	3
10	0	4	2	0	10	0	4	4	6
11	0	4	7	0	11	0	4	9	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	3	0	¼	0	1	3	9
½	0	2	6	0	½	0	2	7	6
¾	0	3	9	0	¾	0	3	11	3

Ft.long.	5 ½ broad.			Ft.long.	5 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	5	6	1	0	5	9
2	0	11	0	2	0	11	6
3	1	4	6	3	1	5	3
4	1	10	0	4	1	11	0
5	2	3	6	5	2	4	9
6	2	9	0	6	2	10	6
7	3	2	6	7	3	4	3
8	3	8	0	8	3	10	0
9	4	1	6	9	4	3	9
10	4	7	0	10	4	9	6
11	5	0	6	11	5	3	3
12	5	6	0	12	5	9	0
13	5	11	6	13	6	2	9
14	6	5	0	14	6	8	6
15	6	10	6	15	7	2	3
16	7	4	0	16	7	8	0
17	7	9	6	17	8	1	9
18	8	3	0	18	8	7	6
19	8	8	6	19	9	1	3
20	9	2	0	20	9	7	0
21	9	7	6	21	10	0	9
22	10	1	0	22	10	6	6
23	10	6	6	23	11	0	3
24	11	0	0	24	11	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	5	6	1	0	0	5	9
2	0	0	11	0	2	0	0	11	6
3	0	1	4	6	3	0	1	5	3
4	0	1	10	0	4	0	1	11	0
5	0	2	3	6	5	0	2	4	9
6	0	2	9	0	6	0	2	10	6
7	0	3	2	6	7	0	3	4	3
8	0	3	8	0	8	0	3	10	0
9	0	4	1	6	9	0	4	3	9
10	0	4	7	0	10	0	4	9	6
11	0	5	0	6	11	0	5	3	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	4	6	¼	0	1	5	3
½	0	2	9	0	½	0	2	10	6
¾	0	4	1	6	¾	0	4	3	9

Ft.long.	6 in. broad.			Ft.long.	6¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	0	1	0	6	3
2	1	0	0	2	1	0	6
3	1	6	0	3	1	6	9
4	2	0	0	4	2	1	0
5	2	6	0	5	2	7	3
6	3	0	0	6	3	1	6
7	3	6	0	7	3	7	9
8	4	0	0	8	4	2	0
9	4	6	0	9	4	8	3
10	5	0	0	10	5	2	6
11	5	6	0	11	5	8	9
12	6	0	0	12	6	3	0
13	6	6	0	13	6	9	3
14	7	0	0	14	7	3	6
15	7	6	0	15	7	9	9
16	8	0	0	16	8	4	0
17	8	6	0	17	8	10	3
18	9	0	0	18	9	4	6
19	9	6	0	19	9	10	9
20	10	0	0	20	10	5	0
21	10	6	0	21	10	11	3
22	11	0	0	22	11	5	6
23	11	6	0	23	11	11	9
24	12	0	0	24	12	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	6	0	1	0	0	6	3
2	0	1	0	0	2	0	1	0	6
3	0	1	6	0	3	0	1	6	9
4	0	2	0	0	4	0	2	1	0
5	0	2	6	0	5	0	2	7	3
6	0	3	0	0	6	0	3	1	6
7	0	3	6	0	7	0	3	7	9
8	0	4	0	0	8	0	4	2	0
9	0	4	6	0	9	0	4	8	3
10	0	5	0	0	10	0	5	2	6
11	0	5	6	0	11	0	5	8	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	6	0	¼	0	1	6	9
½	0	3	0	0	½	0	3	1	6
¾	0	4	6	0	¾	0	4	8	3

Ft. long.	6½ broad.			Ft. long.	6¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	6	1	0	6	9
2	1	1	0	2	1	1	6
3	1	7	6	3	1	8	3
4	2	2	0	4	2	3	0
5	2	8	6	5	2	9	9
6	3	3	0	6	3	4	6
7	3	9	6	7	3	11	3
8	4	4	0	8	4	6	0
9	4	10	6	9	5	0	9
10	5	5	0	10	5	7	6
11	5	11	6	11	6	2	3
12	6	6	0	12	6	9	0
13	7	0	6	13	7	3	9
14	7	7	0	14	7	10	6
15	8	1	6	15	8	5	3
16	8	8	0	16	9	0	0
17	9	2	6	17	9	6	9
18	9	9	0	18	10	1	6
19	10	3	6	19	10	8	3
20	10	10	0	20	11	3	0
21	11	4	6	21	11	9	9
22	11	11	0	22	12	4	6
23	12	5	6	23	12	11	3
24	13	0	0	24	13	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa	S.
1	0	0	6	6	1	0	0	6	9
2	0	1	1	0	2	0	1	1	6
3	0	1	7	6	3	0	1	8	3
4	0	2	2	0	4	0	2	3	0
5	0	2	8	6	5	0	2	9	9
6	0	3	3	0	6	0	3	4	6
7	0	3	9	6	7	0	3	11	3
8	0	4	4	0	8	0	4	6	0
9	0	4	10	6	9	0	5	0	9
10	0	5	5	0	10	0	5	7	6
11	0	5	11	6	11	0	6	2	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	7	6	¼	0	1	8	3
½	0	3	3	0	½	0	3	4	6
¾	0	4	10	6	¾	0	5	0	9

Ft. long.	7 In. broad.			Ft. long.	7 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	7	0	1	0	7	3
2	1	2	0	2	1	2	6
3	1	9	0	3	1	9	9
4	2	4	0	4	2	5	0
5	2	11	0	5	3	0	3
6	3	6	0	6	3	7	6
7	4	1	0	7	4	2	9
8	4	8	0	8	4	10	0
9	5	3	0	9	5	5	3
10	5	10	0	10	6	0	6
11	6	5	0	11	6	7	9
12	7	0	0	12	7	3	0
13	7	7	0	13	7	10	3
14	8	2	0	14	8	5	6
15	8	9	0	15	9	0	9
16	9	4	0	16	9	8	0
17	9	11	0	17	10	3	3
18	10	6	0	18	10	10	6
19	11	1	0	19	11	5	9
20	11	8	0	20	12	1	0
21	12	3	0	21	12	8	3
22	12	10	0	22	13	3	6
23	13	5	0	23	13	10	9
24	14	0	0	24	14	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	7	0	1	0	0	7	3
2	0	1	2	0	2	0	1	2	6
3	0	1	9	0	3	0	1	9	9
4	0	2	4	0	4	0	2	5	0
5	0	2	11	0	5	0	3	0	3
6	0	3	6	0	6	0	3	7	6
7	0	4	1	0	7	0	4	2	9
8	0	4	8	0	8	0	4	10	0
9	0	5	3	0	9	0	5	5	3
10	0	5	10	0	10	0	6	0	6
11	0	6	5	0	11	0	6	7	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	9	0	¼	0	1	9	9
½	0	3	6	0	½	0	3	7	6
¾	0	5	3	0	¾	0	5	5	3

Ft. long.	7½ broad.			Ft. long.	7¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	7	6	1	0	7	9
2	1	3	0	2	1	3	6
3	1	10	6	3	1	11	3
4	2	6	0	4	2	7	0
5	3	1	6	5	3	2	9
6	3	9	0	6	3	10	6
7	4	4	6	7	4	6	3
8	5	0	0	8	5	2	0
9	5	7	6	9	5	9	9
10	6	3	0	10	6	5	6
11	6	10	6	11	7	1	3
12	7	6	0	12	7	9	0
13	8	1	6	13	8	4	9
14	8	9	0	14	9	0	6
15	9	4	6	15	9	8	3
16	10	0	0	16	10	4	0
17	10	7	6	17	10	11	9
18	11	3	0	18	11	7	6
19	11	10	6	19	12	3	3
20	12	6	0	20	12	11	0
21	13	1	6	21	13	6	9
22	13	9	0	22	14	2	6
23	14	4	6	23	14	10	3
24	15	0	0	24	15	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	7	6	1	0	0	7	9
2	0	1	3	0	2	0	1	3	6
3	0	1	10	6	3	0	1	11	3
4	0	2	6	0	4	0	2	7	0
5	0	3	1	6	5	0	3	2	9
6	0	3	9	0	6	0	3	10	6
7	0	4	4	6	7	0	4	6	3
8	0	5	0	0	8	0	5	2	0
9	0	5	7	6	9	0	5	9	9
10	0	6	3	0	10	0	6	5	6
11	0	6	10	6	11	0	7	1	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	1	10	6	¼	0	1	11	3
½	0	3	9	0	½	0	3	10	6
¾	0	5	7	6	¾	0	5	9	9

Ft. long.	8 In. broad.			Ft. long.	8¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	8	0	1	0	8	3
2	1	4	0	2	1	4	6
3	2	0	0	3	2	0	9
4	2	8	0	4	2	9	0
5	3	4	0	5	3	5	3
6	4	0	0	6	4	1	6
7	4	8	0	7	4	9	9
8	5	4	0	8	5	6	0
9	6	0	0	9	6	2	3
10	6	8	0	10	6	10	6
11	7	4	0	11	7	6	9
12	8	0	0	12	8	3	0
13	8	8	0	13	8	11	3
14	9	4	0	14	9	7	6
15	10	0	0	15	10	3	9
16	10	8	0	16	11	0	0
17	11	4	0	17	11	8	3
18	12	0	0	18	12	4	6
19	12	8	0	19	13	0	9
20	13	4	0	20	13	9	0
21	14	0	0	21	14	5	3
22	14	8	0	22	15	1	6
23	15	4	0	23	15	9	9
24	16	0	0	24	16	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	8	0	1	0	0	8	3
2	0	1	4	0	2	0	1	4	6
3	0	2	0	0	3	0	2	0	9
4	0	2	8	0	4	0	2	9	0
5	0	3	4	0	5	0	3	5	3
6	0	4	0	0	6	0	4	1	6
7	0	4	8	0	7	0	4	9	9
8	0	5	4	0	8	0	5	6	0
9	0	6	0	0	9	0	6	2	3
10	0	6	8	0	10	0	6	10	6
11	0	7	4	0	11	0	7	6	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	0	0	¼	0	2	0	9
½	0	4	0	0	½	0	4	1	6
¾	0	6	0	0	¾	0	6	2	3

Ft. long.	8½ broad.			Ft. long.	8¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	8	6	1	0	8	9
2	1	5	0	2	1	5	6
3	2	1	6	3	2	2	3
4	2	10	0	4	2	11	0
5	3	6	6	5	3	7	9
6	4	3	0	6	4	4	6
7	4	11	6	7	5	1	3
8	5	8	0	8	5	10	0
9	6	4	6	9	6	6	9
10	7	1	0	10	7	3	6
11	7	9	6	11	8	0	3
12	8	6	0	12	8	9	0
13	9	2	6	13	9	5	9
14	9	11	0	14	10	2	6
15	10	7	6	15	10	11	3
16	11	4	0	16	11	8	0
17	12	0	6	17	12	4	9
18	12	9	0	18	13	1	6
19	13	5	6	19	13	10	3
20	14	2	0	20	14	7	0
21	14	10	6	21	15	3	9
22	15	7	0	22	16	0	6
23	16	3	6	23	16	9	3
24	17	0	0	24	17	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	8	6	1	0	0	8	9
2	0	1	5	0	2	0	1	5	6
3	0	2	1	6	3	0	2	2	3
4	0	2	10	0	4	0	2	11	0
5	0	3	6	6	5	0	3	7	9
6	0	4	3	0	6	0	4	4	6
7	0	4	11	6	7	0	5	1	3
8	0	5	8	0	8	0	5	10	0
9	0	6	4	6	9	0	6	6	9
10	0	7	1	0	10	0	7	3	6
11	0	7	9	6	11	0	8	0	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	1	6	¼	0	2	2	3
½	0	4	3	0	½	0	4	4	6
¾	0	6	4	6	¾	0	6	6	9

Ft. long.	9 In. broad. Ft.	In.	Pa.	Ft. long.	9 ¼ broad. Ft.	In.	Pa.
1	0	9	0	1	0	9	3
2	1	6	0	2	1	6	6
3	2	3	0	3	2	3	9
4	3	0	0	4	3	1	0
5	3	9	0	5	3	10	3
6	4	6	0	6	4	7	6
7	5	3	0	7	5	4	9
8	6	0	0	8	6	2	0
9	6	9	0	9	6	11	3
10	7	6	0	10	7	8	6
11	8	3	0	11	8	5	9
12	9	0	0	12	9	3	0
13	9	9	0	13	10	0	3
14	10	6	0	14	10	9	6
15	11	3	0	15	11	6	9
16	12	0	0	16	12	4	0
17	12	9	0	17	13	1	3
18	13	6	0	18	13	10	6
19	14	3	0	19	14	7	9
20	15	0	0	20	15	5	0
21	15	9	0	21	16	2	3
22	16	6	0	22	16	11	6
23	17	3	0	23	17	8	9
24	18	0	0	24	18	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	9	0	1	0	0	9	3
2	0	1	6	0	2	0	1	6	6
3	0	2	3	0	3	0	2	3	9
4	0	3	0	0	4	0	3	1	0
5	0	3	9	0	5	0	3	10	3
6	0	4	6	0	6	0	4	7	6
7	0	5	3	0	7	0	5	4	9
8	0	6	0	0	8	0	6	2	0
9	0	6	9	0	9	0	6	11	3
10	0	7	6	0	10	0	7	8	6
11	0	8	3	0	11	0	8	5	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	3	0	¼	0	2	3	9
½	0	4	6	0	½	0	4	7	6
¾	0	6	9	0	¾	0	6	11	3

Ft. long.	$9\frac{1}{2}$ broad.			Ft. long.	$9\frac{3}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	9	6	1	0	9	9
2	1	7	0	2	1	7	6
3	2	4	6	3	2	5	3
4	3	2	0	4	3	3	0
5	3	11	6	5	4	0	9
6	4	9	0	6	4	10	6
7	5	6	6	7	5	8	3
8	6	4	0	8	6	6	0
9	7	1	6	9	7	3	9
10	7	11	0	10	8	1	6
11	8	8	6	11	8	11	3
12	9	6	0	12	9	9	0
13	10	3	6	13	10	6	9
14	11	1	0	14	11	4	6
15	11	10	6	15	12	2	3
16	12	8	0	16	13	0	0
17	13	5	6	17	13	9	9
18	14	3	0	18	14	7	6
19	15	0	6	19	15	5	3
20	15	10	0	20	16	3	0
21	16	7	6	21	17	0	9
22	17	5	0	22	17	10	6
23	18	2	6	23	18	8	3
24	19	0	0	24	19	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	9	6	1	0	0	9	9
2	0	1	7	0	2	0	1	7	6
3	0	2	4	6	3	0	2	5	3
4	0	3	2	0	4	0	3	3	0
5	0	3	11	6	5	0	4	0	9
6	0	4	9	0	6	0	4	10	6
7	0	5	6	6	7	0	5	8	3
8	0	6	4	0	8	0	6	6	0
9	0	7	1	6	9	0	7	3	9
10	0	7	11	0	10	0	8	1	6
11	0	8	8	6	11	0	8	11	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
$\frac{1}{4}$	0	2	4	6	$\frac{1}{4}$	0	2	5	3
$\frac{1}{2}$	0	4	9	0	$\frac{1}{2}$	0	4	10	6
$\frac{3}{4}$	0	7	1	6	$\frac{3}{4}$	0	7	3	9

Ft. long.	10 In. broad. Ft.	In.	Pa.	Ft. long.	10¼ broad. Ft.	In.	Pa.
1	0	10	0	1	0	10	3
2	1	8	0	2	1	8	6
3	2	6	0	3	2	6	9
4	3	4	0	4	3	5	0
5	4	2	0	5	4	3	3
6	5	0	0	6	5	1	6
7	5	10	0	7	5	11	9
8	6	8	0	8	6	10	0
9	7	6	0	9	7	8	3
10	8	4	0	10	8	6	6
11	9	2	0	11	9	4	9
12	10	0	0	12	10	3	0
13	10	10	0	13	11	1	3
14	11	8	0	14	11	11	6
15	12	6	0	15	12	9	9
16	13	4	0	16	13	8	0
17	14	2	0	17	14	6	3
18	15	0	0	18	15	4	6
19	15	10	0	19	16	2	9
20	16	8	0	20	17	1	0
21	17	6	0	21	17	11	3
22	18	4	0	22	18	9	6
23	19	2	0	23	19	7	9
24	20	0	0	24	20	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	10	0	1	0	0	10	3
2	0	1	8	0	2	0	1	8	6
3	0	2	6	0	3	0	2	6	9
4	0	3	4	0	4	0	3	5	0
5	0	4	2	0	5	0	4	3	3
6	0	5	0	0	6	0	5	1	6
7	0	5	10	0	7	0	5	11	9
8	0	6	8	0	8	0	6	10	0
9	0	7	6	0	9	0	7	8	3
10	0	8	4	0	10	0	8	6	6
11	0	9	2	0	11	0	9	4	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	6	0	¼	0	2	6	9
½	0	5	0	0	½	0	5	1	6
¾	0	7	6	0	¾	0	7	8	3

Ft. long.	10½ broad.			Ft. long.	10¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	10	6	1	0	10	9
2	1	9	0	2	1	9	6
3	2	7	6	3	2	8	3
4	3	6	0	4	3	7	0
5	4	4	6	5	4	5	9
6	5	3	0	6	5	4	6
7	6	1	6	7	6	3	3
8	7	0	0	8	7	2	0
9	7	10	6	9	8	0	9
10	8	9	0	10	8	11	6
11	9	7	6	11	9	10	3
12	10	6	0	12	10	9	0
13	11	4	6	13	11	7	9
14	12	3	0	14	12	6	6
15	13	1	6	15	13	5	3
16	14	0	0	16	14	4	0
17	14	10	6	17	15	2	9
18	15	9	0	18	16	1	6
19	16	7	6	19	17	0	3
20	17	6	0	20	17	11	0
21	18	4	6	21	18	9	9
22	19	3	0	22	19	8	6
23	20	1	6	23	20	7	3
24	21	0	0	24	21	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa	S.
1	0	0	10	6	1	0	0	10	9
2	0	1	9	0	2	0	1	9	6
3	0	2	7	6	3	0	2	8	3
4	0	3	6	0	4	0	3	7	0
5	0	4	4	6	5	0	4	5	9
6	0	5	3	0	6	0	5	4	6
7	0	6	1	6	7	0	6	3	3
8	0	7	0	0	8	0	7	2	0
9	0	7	10	6	9	0	8	0	9
10	0	8	9	0	10	0	8	11	6
11	0	9	7	6	11	0	9	10	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	7	6	¼	0	2	8	3
½	0	5	3	0	½	0	5	4	6
¾	0	7	10	6	¾	0	8	0	9

Ft. long.	11 In. broad. Ft.	In.	Pa.	Ft. long.	11 ¼ broad Ft.	In.	Pa.
1	0	11	0	1	0	11	3
2	1	10	0	2	1	10	6
3	2	9	0	3	2	9	9
4	3	8	0	4	3	9	0
5	4	7	0	5	4	8	3
6	5	6	0	6	5	7	6
7	6	5	0	7	6	6	9
8	7	4	0	8	7	6	0
9	8	3	0	9	8	5	3
10	9	2	0	10	9	4	6
11	10	1	0	11	10	3	9
12	11	0	0	12	11	3	0
13	11	11	0	13	12	2	3
14	12	10	0	14	13	1	6
15	13	9	0	15	14	0	9
16	14	8	0	16	15	0	0
17	15	7	0	17	15	11	3
18	16	6	0	18	16	10	6
19	17	5	0	19	17	9	9
20	18	4	0	20	18	9	0
21	19	3	0	21	19	8	3
22	20	2	0	22	20	7	6
23	21	1	0	23	22	6	9
24	22	0	0	24	22	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	11	0	1	0	0	11	3
2	0	1	10	0	2	0	1	10	6
3	0	2	9	0	3	0	2	9	9
4	0	3	8	0	4	0	3	9	0
5	0	4	7	0	5	0	4	8	3
6	0	5	6	0	6	0	5	7	6
7	0	6	5	0	7	0	6	6	9
8	0	7	4	0	8	0	7	6	0
9	0	8	3	0	9	0	8	5	3
10	0	9	2	0	10	0	9	4	6
11	0	10	1	0	11	0	10	3	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	9	0	¼	0	2	9	9
½	0	5	6	0	½	0	5	7	6
¾	0	8	3	0	¾	0	8	5	3

Ft. long.	11 ½ broad.			Ft. long.	11 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	11	6	1	0	11	9
2	1	11	0	2	1	11	6
3	2	10	6	3	2	11	3
4	3	10	0	4	3	11	0
5	4	9	6	5	4	10	9
6	5	9	0	6	5	10	6
7	6	8	6	7	6	10	3
8	7	8	0	8	7	10	0
9	8	7	6	9	8	9	9
10	9	7	0	10	9	9	6
11	10	6	6	11	10	9	3
12	11	6	0	12	11	9	0
13	12	5	6	13	12	8	9
14	13	5	0	14	13	8	6
15	14	4	6	15	14	8	3
16	15	4	0	16	15	8	0
17	16	3	6	17	16	7	9
18	17	3	0	18	17	7	6
19	18	2	6	19	18	7	3
20	19	2	0	20	19	7	0
21	20	1	6	21	20	6	9
22	21	1	0	22	21	6	6
23	22	0	6	23	22	6	3
24	23	0	0	24	23	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	0	11	6	1	0	0	11	9
2	0	1	11	0	2	0	1	11	6
3	0	2	10	6	3	0	2	11	3
4	0	3	10	0	4	0	3	11	0
5	0	4	9	6	5	0	4	10	9
6	0	5	9	0	6	0	5	10	6
7	0	6	8	6	7	0	6	10	3
8	0	7	8	0	8	0	7	10	0
9	0	8	7	6	9	0	8	9	9
10	0	9	7	0	10	0	9	9	6
11	0	10	6	6	11	0	10	9	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	2	10	6	¼	0	2	11	3
½	0	5	9	0	½	0	5	10	6
¾	0	8	7	6	¾	0	8	9	9

Ft. long.	12 In. broad.			Ft. long.	12 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	0	0	1	1	0	3
2	2	0	0	2	2	0	6
3	3	0	0	3	3	0	9
4	4	0	0	4	4	1	0
5	5	0	0	5	5	1	3
6	6	0	0	6	6	1	6
7	7	0	0	7	7	1	9
8	8	0	0	8	8	2	0
9	9	0	0	9	9	2	3
10	10	0	0	10	10	2	6
11	11	0	0	11	11	2	9
12	12	0	0	12	12	3	0
13	13	0	0	13	13	3	3
14	14	0	0	14	14	3	6
15	15	0	0	15	15	3	9
16	16	0	0	16	16	4	0
17	17	0	0	17	17	4	3
18	18	0	0	18	18	4	6
19	19	0	0	19	19	4	9
20	20	0	0	20	20	5	0
21	21	0	0	21	21	5	3
22	22	0	0	22	22	5	6
23	23	0	0	23	23	5	9
24	24	0	0	24	24	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	0	0	1	0	1	0	3
2	0	2	0	0	2	0	2	0	6
3	0	3	0	0	3	0	3	0	9
4	0	4	0	0	4	0	4	1	0
5	0	5	0	0	5	0	5	1	3
6	0	6	0	0	6	0	6	1	6
7	0	7	0	0	7	0	7	1	9
8	0	8	0	0	8	0	8	2	0
9	0	9	0	0	9	0	9	2	3
10	0	10	0	0	10	0	10	2	6
11	0	11	0	0	11	0	11	2	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	0	0	¼	0	3	0	9
½	0	6	0	0	½	0	6	1	6
¾	0	9	0	0	¾	0	9	2	3

Ft. long.	12 ½ broad. Ft.	In.	Pa.	Ft. long.	12 ¾ broad. Ft.	In.	Pa.
1	1	0	6	1	1	0	9
2	2	1	0	2	2	1	6
3	3	1	6	3	3	2	3
4	4	2	0	4	4	3	0
5	5	2	6	5	5	3	9
6	6	3	0	6	6	4	6
7	7	3	6	7	7	5	3
8	8	4	0	8	8	6	0
9	9	4	6	9	9	6	9
10	10	5	0	10	10	7	6
11	11	5	6	11	11	8	3
12	12	6	0	12	12	9	0
13	13	6	6	13	13	9	9
14	14	7	0	14	14	10	6
15	15	7	6	15	15	11	3
16	16	8	0	16	17	0	0
17	17	8	6	17	18	0	9
18	18	9	0	18	19	1	6
19	19	9	6	19	20	2	3
20	20	10	0	20	21	3	0
21	21	10	6	21	22	3	9
22	22	11	0	22	23	4	6
23	23	11	6	23	24	5	3
24	25	0	0	24	25	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	11	0	6	1	0	1	0	9
2	0	2	1	0	2	0	2	1	6
3	0	3	1	6	3	0	3	2	3
4	0	4	2	0	4	0	4	3	0
5	0	5	2	6	5	0	5	3	9
6	0	6	3	0	6	0	6	4	6
7	0	7	3	6	7	0	7	5	3
8	0	8	4	0	8	0	8	6	0
9	0	9	4	6	9	0	9	6	9
10	0	10	5	0	10	0	10	7	6
11	0	11	5	6	11	0	11	8	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	1	6	¼	0	3	2	3
½	0	6	3	0	½	0	6	4	6
¾	0	9	4	6	¾	0	9	6	9

Ft. long.	13 In broad. Ft.	In.	Pa.	Ft. long.	13 ¼ broad. Ft.	In.	Pa.
1	1	1	0	1	1	1	3
2	2	2	0	2	2	2	6
3	3	3	0	3	3	3	9
4	4	4	0	4	4	5	0
5	5	5	0	5	5	6	3
6	6	6	0	6	6	7	6
7	7	7	0	7	7	8	9
8	8	8	0	8	8	10	0
9	9	9	0	9	9	11	3
10	10	10	0	10	11	0	6
11	11	11	0	11	12	1	9
12	13	0	0	12	13	3	0
13	14	1	0	13	14	4	3
14	15	2	0	14	15	5	6
15	16	3	0	15	16	6	9
16	17	4	0	16	17	8	0
17	18	5	0	17	18	9	3
18	19	6	0	18	19	10	6
19	20	7	0	19	20	11	9
20	21	8	0	20	22	1	0
21	22	9	0	21	23	2	3
22	23	10	0	22	24	3	6
23	24	11	0	23	25	4	9
24	26	0	0	24	26	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	1	0	1	0	1	1	3
2	0	2	2	0	2	0	2	2	6
3	0	3	3	0	3	0	3	3	9
4	0	4	4	0	4	0	4	5	0
5	0	5	5	0	5	0	5	6	3
6	0	6	6	0	6	0	6	7	6
7	0	7	7	0	7	0	7	8	9
8	0	8	8	0	8	0	8	10	0
9	0	9	9	0	9	0	9	11	3
10	0	10	10	0	10	0	11	0	6
11	0	11	11	0	11	1	0	1	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	3	0	¼	0	3	3	9
½	0	6	6	0	½	0	6	7	6
¾	0	9	9	0	¾	0	9	11	3

Ft. long.	13 ½ broad. Ft.	In.	Pa.
1	1	1	6
2	2	3	0
3	3	4	6
4	4	6	0
5	5	7	6
6	6	9	0
7	7	10	6
8	9	0	0
9	10	1	6
10	11	3	0
11	12	4	6
12	13	6	0
13	14	7	6
14	15	9	0
15	16	10	6
16	18	0	0
17	19	1	6
18	20	3	0
19	21	4	6
20	22	6	0
21	23	7	6
22	24	9	0
23	25	10	6
24	27	0	0

Inches long.	Ft.	In.	Pa.	S.
1	0	1	1	6
2	0	2	3	0
3	0	3	4	6
4	0	4	6	0
5	0	5	7	6
6	0	6	9	0
7	0	7	10	6
8	0	9	0	0
9	0	10	1	6
10	0	11	3	0
11	1	0	4	6

Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	4	6
½	0	6	9	0
¾	0	10	1	6

Ft. long.	13 ¾ broad. Ft.	In.	Pa.
1	1	1	9
2	2	3	6
3	3	5	3
4	4	7	0
5	5	8	9
6	6	10	6
7	8	0	3
8	9	2	0
9	10	3	9
10	11	5	6
11	12	7	3
12	13	9	0
13	14	10	9
14	16	0	6
15	17	2	3
16	18	4	0
17	19	5	9
18	20	7	6
19	21	9	3
20	22	11	0
21	24	0	9
22	25	2	6
23	26	4	3
24	27	6	0

Inches long.	Ft.	In.	Pa.	S.
1	0	1	1	9
2	0	2	3	6
3	0	3	5	3
4	0	4	7	0
5	0	5	8	9
6	0	6	10	6
7	0	8	0	3
8	0	9	2	0
9	0	10	3	9
10	0	11	5	6
11	1	0	7	3

Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	5	3
½	0	6	10	6
¾	0	10	3	9

Ft. long.	14 In. broad.			Ft. long.	14¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	0	1	1	2	3
2	2	4	0	2	2	4	6
3	3	6	0	3	3	6	9
4	4	8	0	4	4	9	0
5	5	10	0	5	5	11	3
6	7	0	0	6	7	1	6
7	8	2	0	7	8	3	9
8	9	4	0	8	9	6	0
9	10	6	0	9	10	8	3
10	11	8	0	10	11	10	6
11	12	10	0	11	13	0	9
12	14	0	0	12	14	3	0
13	15	2	0	13	15	5	3
14	16	4	0	14	16	7	6
15	17	6	0	15	17	9	9
16	18	8	0	16	19	0	0
17	19	10	0	17	20	2	3
18	21	0	0	18	21	4	6
19	22	2	0	19	22	6	9
20	23	4	0	20	23	9	0
21	24	6	0	21	24	11	3
22	25	8	0	22	26	1	6
23	26	10	0	23	27	3	9
24	28	0	0	24	28	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S
1	0	1	2	0	1	0	1	2	3
2	0	2	4	0	2	0	2	4	6
3	0	3	6	0	3	0	3	6	9
4	0	4	8	0	4	0	4	9	0
5	0	5	10	0	5	0	5	11	3
6	0	7	0	0	6	0	7	1	6
7	0	8	2	0	7	0	8	3	9
8	0	9	4	0	8	0	9	6	0
9	0	10	6	0	9	0	10	8	3
10	0	11	8	0	10	0	11	10	6
11	1	0	10	0	11	1	1	1	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	6	0	¼	0	3	6	9
½	0	7	0	0	½	0	7	1	6
¾	0	10	6	0	¾	0	10	8	3

Ft. long.	14½ broad.			Ft. long.	14¾ broad		
	Ft.	In.	Pa.		Ft.	In.	Pa
1	1	2	6	1	1	2	9
2	2	5	0	2	2	5	6
3	3	7	6	3	3	8	3
4	4	10	0	4	4	11	0
5	6	0	6	5	6	1	9
6	7	3	0	6	7	4	6
7	8	5	6	7	8	7	3
8	9	8	0	8	9	10	0
9	10	10	6	9	11	0	9
10	12	1	0	10	12	3	6
11	13	3	6	11	13	6	3
12	14	6	0	12	14	9	0
13	15	8	6	13	15	11	9
14	16	11	0	14	17	2	6
15	18	1	6	15	18	5	3
16	19	4	0	16	19	8	0
17	20	6	6	17	20	10	9
18	21	9	0	18	22	1	6
19	22	11	6	19	23	4	3
20	24	2	0	20	24	7	0
21	25	4	6	21	25	9	9
22	26	7	0	22	27	0	6
23	27	9	6	23	28	3	3
24	29	0	0	24	29	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa	S.
1	0	1	2	6	1	0	1	2	9
2	0	2	5	0	2	0	2	5	6
3	0	3	7	6	3	0	3	8	3
4	0	4	10	0	4	0	4	11	0
5	0	6	0	6	5	0	6	1	9
6	0	7	3	0	6	0	7	4	6
7	0	8	5	6	7	0	8	7	3
8	0	9	8	0	8	0	9	10	0
9	0	10	10	6	9	0	11	0	9
10	1	0	1	0	10	1	0	3	6
11	1	1	3	6	11	1	1	6	3

Qrs. In. long.	In.	Pa	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	7	6	¼	0	3	8	3
½	0	7	3	0	½	0	7	4	6
¾	0	10	10	6	¾	0	11	0	9

Ft. long.	15 In. broad.			Ft. long.	15 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	3	0	1	1	3	3
2	2	6	0	2	2	6	6
3	3	9	0	3	3	9	9
4	5	0	0	4	5	1	0
5	6	3	0	5	6	4	3
6	7	6	0	6	7	7	6
7	8	9	0	7	8	10	9
8	10	0	0	8	10	2	0
9	11	3	0	9	11	5	3
10	12	6	0	10	12	8	6
11	13	9	0	11	13	11	9
12	15	0	0	12	15	3	0
13	16	3	0	13	16	6	3
14	17	6	0	14	17	9	6
15	18	9	0	15	19	0	9
16	20	0	0	16	20	4	0
17	21	3	0	17	21	7	3
18	22	6	0	18	22	10	6
19	23	9	0	19	24	1	9
20	25	0	0	20	25	5	0
21	26	3	0	21	26	8	3
22	27	6	0	22	27	11	6
23	28	9	0	23	29	2	9
24	30	0	0	24	30	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	3	0	1	0	1	3	3
2	0	2	6	0	2	0	2	6	6
3	0	3	9	0	3	0	3	9	9
4	0	5	0	0	4	0	5	1	0
5	0	6	3	0	5	0	6	4	3
6	0	7	6	0	6	0	7	7	6
7	0	8	9	0	7	0	8	10	9
8	0	10	0	0	8	0	10	2	0
9	0	11	3	0	9	0	11	5	3
10	1	0	6	0	10	1	0	8	6
11	1	1	9	0	11	1	1	11	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	9	0	¼	0	3	9	9
½	0	7	6	0	½	0	7	7	6
¾	0	11	3	0	¾	0	11	5	3

Ft. long.	15 ½ broad.			Ft. long.	15 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	3	6	1	1	3	9
2	2	7	0	2	2	7	6
3	3	10	6	3	3	11	3
4	5	2	0	4	5	3	0
5	6	5	6	5	6	6	9
6	7	9	0	6	7	10	6
7	9	0	6	7	9	2	3
8	10	4	0	8	10	6	0
9	11	7	6	9	11	9	9
10	12	11	0	10	13	1	6
11	14	2	6	11	14	5	3
12	15	6	0	12	15	9	0
13	16	9	6	13	17	0	9
14	18	1	0	14	18	4	6
15	19	4	6	15	19	8	3
16	20	8	0	16	21	0	0
17	21	11	6	17	22	3	9
18	23	3	0	18	23	7	6
19	24	6	6	19	24	11	3
20	25	10	0	20	26	3	0
21	27	1	6	21	27	6	9
22	28	5	0	22	28	10	6
23	29	8	6	23	30	2	3
24	31	0	0	24	31	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	3	6	1	0	1	3	9
2	0	2	7	0	2	0	2	7	6
3	0	3	10	6	3	0	3	11	3
4	0	5	2	0	4	0	5	3	0
5	0	6	5	6	5	0	6	6	9
6	0	7	9	0	6	0	7	10	6
7	0	9	0	6	7	0	9	2	3
8	0	10	4	0	8	0	10	6	0
9	0	11	7	6	9	0	11	9	9
10	1	0	11	0	10	1	1	1	6
11	1	2	2	6	11	1	2	5	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	3	10	6	¼	0	3	11	3
½	0	7	9	0	½	0	7	10	6
¾	0	11	7	6	¾	0	11	9	9

Ft. long	16 In. broad			Ft. long	16 ¼ broad		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	4	0	1	1	4	3
2	2	8	0	2	2	8	6
3	4	0	0	3	4	0	9
4	5	4	0	4	5	5	0
5	6	8	0	5	6	9	3
6	8	0	0	6	8	1	6
7	9	4	0	7	9	5	9
8	10	8	0	8	10	10	0
9	12	0	0	9	12	2	3
10	13	4	0	10	13	6	6
11	14	8	0	11	14	10	9
12	16	0	0	12	16	3	0
13	17	4	0	13	17	7	3
14	18	8	0	14	18	11	6
15	20	0	0	15	20	3	9
16	21	4	0	16	21	8	0
17	22	8	0	17	23	0	3
18	24	0	0	18	24	4	6
19	25	4	0	19	25	8	9
20	26	8	0	20	27	1	0
21	28	0	0	21	28	5	3
22	29	4	0	22	29	9	6
23	30	8	0	23	31	1	9
24	32	0	0	24	32	6	0

Inches long	Ft.	In.	Pa.	S.	Inches long	Ft.	In.	Pa.	S.
1	0	1	4	0	1	0	1	4	3
2	0	2	8	0	2	0	2	8	6
3	0	4	0	0	3	0	4	0	9
4	0	5	4	0	4	0	5	5	0
5	0	6	8	0	5	0	6	9	3
6	0	8	0	0	6	0	8	1	6
7	0	9	4	0	7	0	9	5	9
8	0	10	8	0	8	0	10	10	0
9	1	0	0	0	9	1	0	2	3
10	1	1	4	0	10	1	1	6	6
11	1	2	8	0	11	1	2	10	9

Qrs. In. long	In.	Pa.	S.	T.	Qrs. In. long	In.	Pa.	S.	T.
¼	0	4	0	0	¼	0	4	0	9
½	0	8	0	0	½	0	8	1	6
¾	1	0	0	0	¾	1	0	2	3

Ft. long.	16 ½ broad.		
	Ft.	In.	Pa.
1	1	4	6
2	2	9	0
3	4	1	6
4	5	6	0
5	6	10	6
6	8	3	0
7	9	7	6
8	11	0	0
9	12	4	6
10	13	9	0
11	15	1	6
12	16	6	0
13	17	10	6
14	19	3	0
15	20	7	6
16	22	0	0
17	23	4	6
18	24	9	0
19	26	1	6
20	27	6	0
21	28	10	6
22	30	3	0
23	31	7	6
24	33	0	0

Inches long.	Ft.	In.	Pa.	S.
1	0	1	4	6
2	0	2	9	0
3	0	4	1	6
4	0	5	6	0
5	0	6	10	6
6	0	8	3	0
7	0	9	7	6
8	0	11	0	0
9	1	0	4	6
10	1	1	9	0
11	1	3	1	6

Qrs. In. long.	In.	Pa.	S.	T.
¼	0	4	1	6
½	0	8	3	0
¾	1	0	4	6

Ft. long.	16¾ broad.		
	Ft.	In.	Pa.
1	1	4	9
2	2	9	6
3	4	2	3
4	5	7	0
5	6	11	9
6	8	4	6
7	9	9	3
8	11	2	0
9	12	6	9
10	13	11	6
11	15	4	3
12	16	9	0
13	18	1	9
14	19	6	6
15	20	11	3
16	22	4	0
17	23	8	9
18	25	1	6
19	26	6	3
20	27	11	0
21	29	3	9
22	30	8	6
23	32	1	3
24	33	6	0

Inches long.	Ft.	In.	Pa.	S.
1	0	1	4	9
2	0	2	9	6
3	0	4	2	3
4	0	5	7	0
5	0	6	11	9
6	0	8	4	6
7	0	9	9	3
8	0	11	2	0
9	1	0	6	9
10	1	1	11	6
11	1	3	4	3

Qrs. In. long.	In.	Pa.	S.	T.
¼	0	4	2	3
½	0	8	4	6
¾	1	0	6	9

Ft. long.	17 In. broad.			Ft. long.	17 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	5	0	1	1	5	3
2	2	10	0	2	2	10	6
3	4	3	0	3	4	3	9
4	5	8	0	4	5	9	0
5	7	1	0	5	7	2	3
6	8	6	0	6	8	7	6
7	9	11	0	7	10	0	9
8	11	4	0	8	11	6	0
9	12	9	0	9	12	11	3
10	14	2	0	10	14	4	6
11	15	7	0	11	15	9	9
12	17	0	0	12	17	3	0
13	18	5	0	13	18	8	3
14	19	10	0	14	20	1	6
15	21	3	0	15	21	6	9
16	22	8	0	16	23	0	0
17	24	1	0	17	24	5	3
18	25	6	0	18	25	10	6
19	26	11	0	19	27	3	9
20	28	4	0	20	28	9	0
21	29	9	0	21	30	2	3
22	31	2	0	22	31	7	6
23	32	7	0	23	33	0	9
24	34	0	0	24	34	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	5	0	1	0	1	5	3
2	0	2	10	0	2	0	2	10	6
3	0	4	3	0	3	0	4	3	9
4	0	5	8	0	4	0	5	9	0
5	0	7	1	0	5	0	7	2	3
6	0	8	6	0	6	0	8	7	6
7	0	9	11	0	7	0	10	0	9
8	0	11	4	0	8	0	11	6	0
9	1	0	9	0	9	1	0	11	3
10	1	2	2	0	10	1	2	4	6
11	1	3	7	0	11	1	3	9	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
$\frac{1}{4}$	0	4	3	0	$\frac{1}{4}$	0	4	3	9
$\frac{1}{2}$	0	8	6	0	$\frac{1}{2}$	0	8	7	6
$\frac{3}{4}$	1	0	9	0	$\frac{3}{4}$	1	0	11	3

Ft. long.	$17\frac{1}{2}$ broad.			Ft. long.	$17\frac{3}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	5	6	1	1	5	9
2	2	11	0	2	2	11	6
3	4	4	6	3	4	5	3
4	5	10	0	4	5	11	0
5	7	3	6	5	7	4	9
6	8	9	0	6	8	10	6
7	10	2	6	7	10	4	3
8	11	8	0	8	11	10	0
9	13	1	6	9	13	3	9
10	14	7	0	10	14	9	6
11	16	0	6	11	16	3	3
12	17	6	0	12	17	9	0
13	18	11	6	13	19	2	9
14	20	5	0	14	20	8	6
15	21	10	6	15	22	2	3
16	23	4	0	16	23	8	0
17	24	9	6	17	25	1	9
18	26	3	0	18	26	7	6
19	27	8	6	19	28	1	3
20	29	2	0	20	29	7	0
21	30	7	6	21	31	0	9
22	32	1	0	22	32	6	6
23	33	6	6	23	34	0	3
24	35	0	0	24	35	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	5	6	1	0	1	5	9
2	0	2	11	0	2	0	2	11	6
3	0	4	4	6	3	0	4	5	3
4	0	5	10	0	4	0	5	11	0
5	0	7	3	6	5	0	7	4	9
6	0	8	9	0	6	0	8	10	6
7	0	10	2	6	7	0	10	4	3
8	0	11	8	0	8	0	11	10	0
9	1	1	1	6	9	1	1	3	9
10	1	2	7	0	10	1	2	9	6
11	1	4	0	6	11	1	4	3	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
$\frac{1}{4}$	0	4	4	6	$\frac{1}{4}$	0	4	5	3
$\frac{1}{2}$	0	8	9	0	$\frac{1}{2}$	0	8	10	6
$\frac{3}{4}$	1	1	1	6	$\frac{3}{4}$	1	1	3	9

Ft. long.	18 In. broad.			Ft. long.	18¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	6	0	1	1	6	3
2	3	0	0	2	3	0	6
3	4	6	0	3	4	6	9
4	6	0	0	4	6	1	0
5	7	6	0	5	7	7	3
6	9	0	0	6	9	1	6
7	10	6	0	7	10	7	9
8	12	0	0	8	12	2	0
9	13	6	0	9	13	8	3
10	15	0	0	10	15	2	6
11	16	6	0	11	16	8	9
12	18	0	0	12	18	3	0
13	19	6	0	13	19	9	3
14	21	0	0	14	21	3	6
15	22	6	0	15	22	9	9
16	24	0	0	16	24	4	0
17	25	6	0	17	25	10	3
18	27	0	0	18	27	4	6
19	28	6	0	19	28	10	9
20	30	0	0	20	30	5	0
21	31	6	0	21	31	11	3
22	33	0	0	22	33	5	6
23	34	6	0	23	34	11	9
24	36	0	0	24	36	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	6	0	1	0	1	6	3
2	0	3	0	0	2	0	3	0	6
3	0	4	6	0	3	0	4	6	9
4	0	6	0	0	4	0	6	1	0
5	0	7	6	0	5	0	7	7	3
6	0	9	0	0	6	0	9	1	6
7	0	10	6	0	7	0	10	7	9
8	1	0	0	0	8	1	0	2	0
9	1	1	6	0	9	1	1	8	3
10	1	3	0	0	10	1	3	2	6
11	1	4	6	0	11	1	4	8	9

Qrs. In. lo.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	4	6	0	¼	0	4	6	9
½	0	9	0	0	½	0	9	1	6
¾	1	1	6	0	¾	1	1	8	3

Ft. long.	18½ broad.			Ft. long.	18¾ broad		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	6	6	1	1	6	9
2	3	1	0	2	3	1	6
3	4	7	6	3	4	8	3
4	6	2	0	4	6	3	0
5	7	8	6	5	7	9	9
6	9	3	0	6	9	4	6
7	10	9	6	7	10	11	3
8	12	4	0	8	12	6	0
9	13	10	6	9	14	0	9
10	15	5	0	10	15	7	6
11	16	11	6	11	17	2	3
12	18	6	0	12	18	9	0
13	20	0	6	13	20	3	9
14	21	7	0	14	21	10	6
15	23	1	6	15	23	5	3
16	24	8	0	16	25	0	0
17	26	2	6	17	26	6	9
18	27	9	0	18	28	1	6
19	29	3	6	19	29	8	3
20	30	10	0	20	31	3	0
21	32	4	6	21	32	9	9
22	33	11	0	22	34	4	6
23	35	5	6	23	35	11	3
24	37	0	0	24	37	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	6	6	1	0	1	6	9
2	0	3	1	0	2	0	3	1	6
3	0	4	7	6	3	0	4	8	3
4	0	6	2	0	4	0	6	3	0
5	0	7	8	6	5	0	7	9	9
6	0	9	3	0	6	0	9	4	6
7	0	10	9	6	7	0	10	11	3
8	1	0	4	0	8	1	0	6	0
9	1	1	10	6	9	1	2	0	9
10	1	3	5	0	10	1	3	7	6
11	1	4	11	6	11	1	5	2	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	4	7	6	¼	0	4	8	3
½	0	9	3	0	½	0	9	4	6
¾	1	1	10	6	¾	1	2	0	9

Ft. long.	19 in. broad.			Ft. long.	19 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	7	0	1	1	7	3
2	3	2	0	2	3	2	6
3	4	9	0	3	4	9	9
4	6	4	0	4	6	5	0
5	7	11	0	5	8	0	3
6	9	6	0	6	9	7	6
7	11	1	0	7	11	2	9
8	12	8	0	8	12	10	0
9	14	3	0	9	14	5	3
10	15	10	0	10	16	0	6
11	17	5	0	11	17	7	9
12	19	0	0	12	19	3	0
13	20	7	0	13	20	10	3
14	22	2	0	14	22	5	6
15	23	9	0	15	24	0	9
16	25	4	0	16	25	8	0
17	26	11	0	17	27	3	3
18	28	6	0	18	28	10	6
19	30	1	0	19	30	5	9
20	31	8	0	20	32	1	0
21	33	3	0	21	33	8	3
22	34	10	0	22	35	3	6
23	36	5	0	23	36	10	9
24	38	0	0	24	38	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	7	0	1	0	1	7	3
2	0	3	2	0	2	0	3	2	6
3	0	4	9	0	3	0	4	9	9
4	0	6	4	0	4	0	6	5	0
5	0	7	11	0	5	0	8	0	3
6	0	9	6	0	6	0	9	7	6
7	0	11	1	0	7	0	11	2	9
8	1	0	8	0	8	1	0	10	0
9	1	2	3	0	9	1	2	5	3
10	1	3	10	0	10	1	4	0	6
11	1	5	5	0	11	1	5	7	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	4	9	0	¼	0	4	9	9
½	0	9	6	0	½	0	9	7	6
¾	1	2	3	0	¾	1	2	5	3

Ft. long.	19 ½ broad.			Ft. long.	19 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	7	6	1	1	7	9
2	3	3	0	2	3	3	6
3	4	10	6	3	4	11	3
4	6	6	0	4	6	7	0
5	8	1	6	5	8	2	9
6	9	9	0	6	9	10	6
7	11	4	6	7	11	6	3
8	13	0	0	8	13	2	0
9	14	7	6	9	14	9	9
10	16	3	0	10	16	5	6
11	17	10	6	11	18	1	3
12	19	6	0	12	19	9	0
13	21	1	6	13	21	4	9
14	22	9	0	14	23	0	6
15	24	4	6	15	24	8	3
16	26	0	0	16	26	4	0
17	27	7	6	17	27	11	9
18	29	3	0	18	29	7	6
19	30	10	6	19	31	3	3
20	32	6	0	20	32	11	0
21	34	1	6	21	34	6	9
22	35	9	0	22	36	2	6
23	37	4	6	23	37	10	3
24	39	0	0	24	39	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	7	6	1	0	1	7	9
2	0	3	3	0	2	0	3	3	6
3	0	4	10	6	3	0	4	11	3
4	0	6	6	0	4	0	6	7	0
5	0	8	1	6	5	0	8	2	9
6	0	9	9	0	6	0	9	11	6
7	0	11	4	6	7	0	11	6	3
8	1	1	0	0	8	1	1	2	0
9	1	2	7	6	9	1	2	9	9
10	1	4	3	0	10	1	4	5	6
11	1	5	10	6	11	1	6	1	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	4	10	6	¼	0	4	11	3
½	0	9	9	0	½	0	9	10	6
¾	1	2	7	6	¾	1	2	9	9

Ft. long.	20 In. broad.			Ft. long.	20 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	3
2	3	4	0	2	3	4	6
3	5	0	0	3	5	0	9
4	6	8	0	4	6	9	0
5	8	4	0	5	8	5	3
6	10	0	0	6	10	1	6
7	11	8	0	7	11	9	9
8	13	4	0	8	13	6	0
9	15	0	0	9	15	2	3
10	16	8	0	10	16	10	6
11	18	4	0	11	18	6	9
12	20	0	0	12	20	3	0
13	21	8	0	13	21	11	3
14	23	4	0	14	23	7	6
15	25	0	0	15	25	3	9
16	26	8	0	16	27	0	0
17	28	4	0	17	28	8	3
18	30	0	0	18	30	4	6
19	31	8	0	19	32	0	9
20	33	4	0	20	33	9	0
21	35	0	0	21	35	5	3
22	36	8	0	22	37	1	6
23	38	4	0	23	38	9	9
24	40	0	0	24	40	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	8	0	1	0	1	8	3
2	0	3	4	0	2	0	3	4	6
3	0	5	0	0	3	0	5	0	9
4	0	6	8	0	4	0	6	9	0
5	0	8	4	0	5	0	8	5	3
6	0	10	0	0	6	0	10	1	6
7	0	11	8	0	7	0	11	9	9
8	1	1	4	0	8	1	1	6	0
9	1	3	0	0	9	1	3	2	3
10	1	4	8	0	10	1	4	10	6
11	1	6	4	0	11	1	6	6	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	0	0	¼	0	5	0	9
½	0	10	0	0	½	0	10	1	6
¾	1	3	0	0	¾	1	3	2	3

Ft. long.	20 ½ broad.			Ft. long.	20 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	6	1	1	8	9
2	3	5	0	2	3	5	6
3	5	1	6	3	5	2	3
4	6	10	0	4	6	11	0
5	8	6	6	5	8	7	9
6	10	3	0	6	10	4	6
7	11	11	6	7	12	1	3
8	13	8	0	8	13	10	0
9	15	4	6	9	15	6	9
10	17	1	0	10	17	3	6
11	18	9	6	11	19	0	3
12	20	6	0	12	20	9	0
13	22	2	6	13	22	5	9
14	23	11	0	14	24	2	6
15	25	7	6	15	25	11	3
16	27	4	0	16	27	8	0
17	29	0	6	17	29	4	9
18	30	9	0	18	31	1	6
19	32	5	6	19	32	10	3
20	34	2	0	20	34	7	0
21	35	10	6	21	36	3	9
22	37	7	0	22	38	0	6
23	39	3	6	23	39	9	3
24	41	0	0	24	41	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S
1	0	1	8	6	1	0	1	8	9
2	0	3	5	0	2	0	3	5	6
3	0	5	1	6	3	0	5	2	3
4	0	6	10	0	4	0	6	11	0
5	0	8	6	6	5	0	8	7	9
6	0	10	3	0	6	0	10	4	6
7	0	11	11	6	7	1	0	1	3
8	1	1	8	0	8	1	1	10	0
9	1	3	4	6	9	1	3	6	9
10	1	5	1	0	10	1	5	3	6
11	1	6	9	6	11	1	7	0	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	1	6	¼	0	5	2	3
½	0	10	3	0	½	0	10	4	6
¾	1	3	4	6	¾	1	3	6	9

Ft. long.	21 In. broad. Ft.	In.	Pa.	Ft. long.	21 ¼ broad. Ft.	In.	Pa.
1	1	9	0	1	1	9	3
2	3	6	0	2	3	6	6
3	5	3	0	3	5	3	9
4	7	0	0	4	7	1	0
5	8	9	0	5	8	10	3
6	10	6	0	6	10	7	6
7	12	2	0	7	12	4	9
8	14	0	0	8	14	2	0
9	15	9	0	9	15	11	3
10	17	6	0	10	17	8	6
11	19	3	0	11	19	5	9
12	21	0	0	12	21	3	0
13	22	9	0	13	23	0	3
14	24	6	0	14	24	9	6
15	26	3	0	15	26	6	9
16	28	0	0	16	28	4	0
17	29	9	0	17	30	1	3
18	31	6	0	18	31	10	6
19	33	3	0	19	33	7	9
20	35	0	0	20	35	5	0
21	36	9	0	21	37	2	3
22	38	6	0	22	38	11	6
23	40	3	0	23	40	8	9
24	42	0	0	24	42	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S
1	0	1	9	0	1	0	1	9	3
2	0	3	6	0	2	0	3	6	6
3	0	5	3	0	3	0	5	3	9
4	0	7	0	0	4	0	7	1	0
5	0	8	9	0	5	0	8	10	3
6	0	10	6	0	6	0	10	7	6
7	1	0	3	0	7	1	0	4	9
8	1	2	0	0	8	1	2	2	0
9	1	3	9	0	9	1	3	11	3
10	1	5	6	0	10	1	5	8	6
11	1	7	3	0	11	1	7	5	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	3	0	¼	0	5	3	9
½	0	10	6	0	½	0	10	7	6
¾	1	3	9	0	¾	1	3	11	3

Ft. long.	21 ½ broad.			Ft. long.	21 ¾ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	9	6	1	1	9	9
2	3	7	0	2	3	7	6
3	5	4	6	3	5	5	3
4	7	2	0	4	7	3	0
5	8	11	6	5	9	0	9
6	10	9	0	6	10	10	6
7	12	6	6	7	12	8	3
8	14	4	0	8	14	6	0
9	16	1	6	9	16	3	9
10	17	11	0	10	18	1	6
11	19	8	6	11	19	11	3
12	21	6	0	12	21	9	0
13	23	3	6	13	23	6	9
14	25	1	0	14	25	4	6
15	26	10	6	15	27	2	3
16	28	8	0	16	29	0	0
17	30	5	6	17	30	9	9
18	32	3	0	18	32	7	6
19	34	0	6	19	34	5	3
20	35	10	0	20	36	3	0
21	37	7	6	21	38	0	9
22	39	5	0	22	39	10	6
23	41	2	6	23	41	8	3
24	43	0	0	24	43	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	9	6	1	0	1	9	9
2	0	3	7	0	2	0	3	7	6
3	0	5	4	6	3	0	5	5	3
4	0	7	2	0	4	0	7	3	0
5	0	8	11	6	5	0	9	0	9
6	0	10	9	0	6	0	10	10	6
7	1	0	6	6	7	1	0	8	3
8	1	2	4	0	8	1	2	6	0
9	1	4	1	6	9	1	4	3	9
10	1	5	11	0	10	1	6	1	6
11	1	7	8	6	11	1	7	11	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	4	6	¼	0	5	5	3
½	0	10	9	0	½	0	10	10	6
¾	1	4	1	6	¾	1	4	3	9

Ft. long.	22 In. broad.			Ft. long.	22 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	10	0	1	1	10	3
2	3	8	0	2	3	8	6
3	5	6	0	3	5	6	9
4	7	4	0	4	7	5	0
5	9	2	0	5	9	3	3
6	11	0	0	6	11	1	6
7	12	10	0	7	12	11	9
8	14	8	0	8	14	10	0
9	16	6	0	9	16	8	3
10	18	4	0	10	18	6	6
11	20	2	0	11	20	4	9
12	22	0	0	12	22	3	0
13	23	10	0	13	24	1	3
14	25	8	0	14	25	11	6
15	27	6	0	15	27	9	9
16	29	4	0	16	29	8	0
17	31	2	0	17	31	6	3
18	33	0	0	18	33	4	6
19	34	10	0	19	35	2	9
20	36	8	0	20	37	1	0
21	38	6	0	21	38	11	3
22	40	4	0	22	40	9	6
23	42	2	0	23	42	7	9
24	44	0	0	24	44	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S
1	0	1	10	0	1	0	1	10	3
2	0	3	8	0	2	0	3	8	6
3	0	5	6	0	3	0	5	6	9
4	0	7	4	0	4	0	7	5	0
5	0	9	2	0	5	0	9	3	3
6	0	11	0	0	6	0	11	1	6
7	1	0	10	0	7	1	0	11	9
8	1	2	8	0	8	1	2	10	0
9	1	4	6	0	9	1	4	8	3
10	1	6	4	0	10	1	6	6	6
11	1	8	2	0	11	1	8	4	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	6	0	¼	0	5	6	9
½	0	11	0	0	½	0	11	1	6
¾	1	4	6	0	¾	1	4	8	3

Ft. long.	22 ½ broad. Ft.	In.	Pa.	Ft. long.	22 ¾ broad. Ft.	In.	Pa.
1	1	10	6	1	1	10	9
2	3	9	0	2	3	9	6
3	5	7	6	3	5	8	3
4	7	6	0	4	7	7	0
5	9	4	6	5	9	5	9
6	11	3	0	6	11	4	6
7	13	1	6	7	13	3	3
8	15	0	0	8	15	2	0
9	16	10	6	9	17	0	9
10	18	9	0	10	18	11	6
11	20	7	6	11	20	10	3
12	22	6	0	12	22	9	0
13	24	4	6	13	24	7	9
14	26	3	0	14	26	6	6
15	28	1	6	15	28	5	3
16	30	0	0	16	30	4	0
17	31	10	6	17	32	2	9
18	33	9	0	18	34	1	6
19	35	7	6	19	36	0	3
20	37	6	0	20	37	11	0
21	39	4	6	21	39	9	9
22	41	3	0	22	41	8	6
23	43	1	6	23	43	7	3
24	45	0	0	24	45	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	10	6	1	0	1	10	9
2	0	3	9	0	2	0	3	9	6
3	0	5	7	6	3	0	5	8	3
4	0	7	6	0	4	0	7	7	0
5	0	9	4	6	5	0	9	5	9
6	0	11	3	0	6	0	11	4	6
7	1	1	1	6	7	1	1	3	3
8	1	3	0	0	8	1	3	2	0
9	1	4	10	6	9	1	5	0	9
10	1	6	9	0	10	1	6	11	6
11	1	8	7	6	11	1	8	10	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	7	6	¼	0	5	8	3
½	0	11	3	0	½	0	11	4	6
¾	1	4	10	6	¾	1	5	0	9

Ft. long.	23 In. broad.			Ft. long.	23 ¼ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	11	0	1	1	11	3
2	3	10	0	2	3	10	6
3	5	9	0	3	5	9	9
4	7	8	0	4	7	9	0
5	9	7	0	5	9	8	3
6	11	6	0	6	11	7	6
7	13	5	0	7	13	6	9
8	15	4	0	8	15	6	0
9	17	3	0	9	17	5	3
10	19	2	0	10	19	4	6
11	21	1	0	11	21	3	9
12	23	0	0	12	23	3	0
13	24	11	0	13	25	2	3
14	26	10	0	14	27	1	6
15	28	9	0	15	29	0	9
16	30	8	0	16	31	0	0
17	32	7	0	17	32	11	3
18	34	6	0	18	34	10	6
19	36	5	0	19	36	9	9
20	38	4	0	20	38	9	0
21	40	3	0	21	40	8	3
22	42	2	0	22	42	7	6
23	44	1	0	23	44	6	9
24	46	0	0	24	46	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa.	S.
1	0	1	11	0	1	0	1	11	3
2	0	3	10	0	2	0	3	10	6
3	0	5	9	0	3	0	5	9	9
4	0	7	8	0	4	0	7	9	0
5	0	9	7	0	5	0	9	8	3
6	0	11	6	0	6	0	11	7	6
7	1	1	5	0	7	1	1	6	9
8	1	3	4	0	8	1	3	6	0
9	1	5	3	0	9	1	5	5	3
10	1	7	2	0	10	1	7	4	6
11	1	9	1	0	11	1	9	3	9

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	9	0	¼	0	5	9	9
½	0	11	6	0	½	0	11	7	6
¾	1	5	3	0	¾	1	5	5	3

Ft. long.	23½ broad. Ft.	In.	Pa.	Ft. long.	23¾ broad Ft.	In.	Pa.
1	1	11	6	1	1	11	9
2	3	11	0	2	3	11	6
3	5	10	6	3	5	11	3
4	7	10	0	4	7	11	0
5	9	9	6	5	9	10	9
6	11	9	0	6	11	10	6
7	13	8	6	7	13	10	3
8	15	8	0	8	15	10	0
9	17	7	6	9	17	9	9
10	19	7	0	10	19	9	6
11	21	6	6	11	21	9	3
12	23	6	0	12	23	9	0
13	25	5	6	13	25	8	9
14	27	5	0	14	27	8	6
15	29	4	6	15	29	8	3
16	31	4	0	16	31	8	0
17	33	3	6	17	33	7	9
18	35	3	0	18	35	7	6
19	37	2	6	19	37	7	3
20	39	2	0	20	39	7	0
21	41	1	6	21	41	6	9
22	43	1	0	22	43	6	6
23	45	0	6	23	45	6	3
24	47	0	0	24	47	6	0

Inches long.	Ft.	In.	Pa.	S.	Inches long.	Ft.	In.	Pa	S.
1	0	1	11	6	1	0	1	11	9
2	0	3	11	0	2	0	3	11	6
3	0	5	10	6	3	0	5	11	3
4	0	7	10	0	4	0	7	11	0
5	0	9	9	6	5	0	9	10	9
6	0	11	9	0	6	0	11	10	6
7	1	1	8	6	7	1	1	10	3
8	1	3	8	0	8	1	3	10	0
9	1	5	7	6	9	1	5	9	9
10	1	7	7	0	10	1	7	9	6
11	1	9	6	6	11	1	9	9	3

Qrs. In. long.	In.	Pa.	S.	T.	Qrs. In. long.	In.	Pa.	S.	T.
¼	0	5	10	6	¼	0	5	11	3
½	0	11	9	0	½	0	11	10	6
¾	1	5	7	6	¾	1	5	9	9

Ft. long.	24 In. broad.		
	Ft.	In.	Pa.
1	2	0	0
2	4	0	0
3	6	0	0
4	8	0	0
5	10	0	0
6	12	0	0
7	14	0	0
8	16	0	0
9	18	0	0
10	20	0	0
11	22	0	0
12	24	0	0
13	26	0	0
14	28	0	0
15	30	0	0
16	32	0	0
17	34	0	0
18	36	0	0
19	38	0	0
20	40	0	0
21	42	0	0
22	44	0	0
23	46	0	0
24	48	0	0

Inches long.	Ft.	In.	Pa.	S.
1	0	2	0	0
2	0	4	0	0
3	0	6	0	0
4	0	8	0	0
5	0	10	0	0
6	1	0	0	0
7	1	2	0	0
8	1	4	0	0
9	1	6	0	0
10	1	8	0	0
11	1	10	0	0

Qrs. In. long.	In.	Pa.	S.	T.
$\frac{1}{4}$	0	6	0	0
$\frac{1}{2}$	1	0	0	0
$\frac{3}{4}$	1	6	0	0

OF THE PRICES and WEIGHT OF NAILS.

AS I know of no materials relating to building, in which ſo great Abuſes and Impoſitions conſtantly occur, as in the article of Nails, I ſhall be very particular in my Directions concerning them, in hopes of preventing ſuch Practices for the future.

Nails are of many Sorts, and of ſeveral of thoſe Sorts there are great variety.

N. B. The Wholeſale-Dealers in Nails have found it neceſſary to diſtinguiſh them into GENERAL and SPECIAL; But firſt, of what they underſtand by General Nails.

Under the General Sorts of Nails, they comprehend, 1. Brads, 2. Hobbs, and 3. Nails.

1. BRADS; viz. Bill-Brads, Plain-Brads, and Gunner-Brads.

2. HOBBS; viz. Claſp-Hobbs, Dye Hobbs, Roſe-Hobbs, Skidder-Hobbs, and Thick-Hobbs.

3. NAILS; viz. Deck-Nails, Flat-Head-Nails, Flat-Point-Nails, Drawe-Nails, Lead Nails, Roſe-Nails, Scupper-Nails, Sharp-Nails, Middle-Nails, Square-Nails, Prigg-Nails, Spike-Nails, and Weight-Nails.

N. B. The above which are known by the Names of General Nails, are ſold by the Thouſand, and including them all, the Prices are from 8d. to 12s. per Thouſand, and the weight from 2 oz. ¼ to 40 lb. per Thouſand.

Note, A Thouſand of Nails is 1200, there being 120 to the Hundred.

☞ If you would underſtand how to buy Nails of any of the above Sorts (for there are ſeveral Sizes and Prices of each Sort) you muſt obſerve the following TABLE.

The Uſe of the following TABLE.

Having the Price *to find the Weight.*

Example I.

If a Thouſand of Roſe Nails, coſt 2s. 3d. how much ought they to weigh?

Look in the Table for 2s. 3d. the Price, and againſt it is 5 lb. 4 oz. and ſo much a Thouſand of Roſe-Nails (which coſt 2s. 3d.) ought to weigh.

Example II.

If a Thouſand of Roſe-Nails coſt 12s. how much ought they to weigh?

Look in the Table for 12s. the Price, and againſt it is 40 lb. and that is the weight of a Thouſand of Roſe Nails, which coſt 12s.

Having the Weight *to find the* Price.

Example I.

What is the Price or Value of a Thouſand of Sharp-Nails that weigh 2 lb. 8 oz?

Look in the Table for 2 lb. 8 oz. the Weight, and againſt it ſtands 1s. 4d. $\frac{1}{2}$, and that is the Price of a Thouſand of Sharp-Nails, which weigh 2 lb. 8 oz.

Example II.

What ought I to pay for a Thouſand of Sharp-Nails that weigh 36 lb?

Look in the Table for 36 lb. the Weight, and againſt it ſtands 11s. and that is what I ought to pay for them.

And ſo you may find either the Weight or Value of any other of the General Sorts of Nails; and the ſame method is to be obſerved for finding the Weight or Value of any of the Special Sorts of Nails.

The TABLE *of the* PRICES *and* WEIGHT *of the* GENERAL *Sorts of* Nails, *viz. Brads, Hobbs Nails.*

1. BRADS; viz. Bill-Brads, Plain-Brads, and Gunner-Brads.

2. HOBBS; viz. Claſp-Hobbs, Dye-Hobbs, Roſe-Hobbs, Skidder-Hobbs, and Thick-Hobbs.

3. NAILS; viz. Deck-Nails, Flat head-Nails, Flat-point-Nails, Drawed-Nails, Lead-Nails, Roſe-Nails, Scupper-Nails, Sharp-Nails, Middle-Nails Square-Nails, Prig-Nails, Spike-Nails and Weight-Nails.

Price per Thouſ.		Should weighper Thouſ.		Price per Thouſ.		Should weighper Thouſ.	
s.	d.	lb.	oz.	s.	d.	lb.	oz.
0	7¾	0	2¼	2	8	6	8
0	8	0	5	2	8½	6	12
0	8¼	0	6	2	9	7	0
0	9	0	8	2	10½	7	8
0	9¼	0	9	3	0	8	0
0	9½	0	10	3	3	9	0
0	10½	0	14	3	7	10	0
0	10¾	0	15	3	10	11	0
0	11	1	0	4	1	12	0
1	0½	1	6	4	6	13	0
1	1	1	8	4	9	14	0
1	1½	1	12	5	0	15	0
1	2	1	14	5	3	16	0
1	2½	2	0	5	6	17	0
1	4½	2	8	5	10	18	0
1	6	2	12	6	2	19	0
1	6½	2	14	6	5	20	0
1	7	3	0	6	8	21	0
1	8½	3	8	6	10	22	0
1	9½	3	12	7	3	23	0
1	10	4	0	7	6	24	0
1	11	4	4	8	2	26	0
2	0	4	8	8	10	28	0
2	1	4	12	9	2	30	0
2	2½	5	0	9	6	32	0
2	3	5	4	11	0	36	0
2	4	5	8	12	0	40	0
2	6	6	0				

NAILS.

Flat pointed, Strong, or Drawed.

The Name.		Price per Ct. Wt.			The Name.		Price per Ct. Wt.		
s.	d.	l.	s.	d.	s.	d.	l.	s.	d.
2	0	1	11	0	4	0	1	9	0
2	6	1	10	0	5	0	1	9	0
3	4	1	9	0	6	0	1	9	0

WEIGHT NAILS

Are 28s. per Hundred Weight.

Here ends thoſe nails which are known by *General ſorts of Nails.*

The TABLE *of the* PRICE *and* WEIGHT *of the* SPECIAL *Sorts of* Nails.

BATTEN-BRADS.

Price per Thouſ.		Should weighper Thouſ.		Price per Thouſ.		Should weighper Thouſ.	
s.	d.	lb.	oz.	s.	d.	lb.	oz.
0	8½	0	8	1	9	2	12
0	11	0	14	1	10	2	14
0	11½	1	0	1	11	3	0
1	3	1	12	2	4	4	0
1	3½	1	14	2	10	5	0
1	4	2	0				

CLOUT NAILS.

Price per Thouſ.		Should weighper Thouſ.	
s.	d.	lb.	oz.
2	1	4	8
2	10	7	0
3	2	8	0

CLOUT BRADS.

Price per Thouſ.		Should weighper Thouſ.	
s.	d.	lb.	oz.
3	6	9	0

DOGG NAILS.

Price per Thouſ.		Should weighper Thouſ.	
s.	d.	lb.	oz.
3	9	9	0
4	9	12	0
6	6	16	0

N. B. There are larger Dogg-Nails viz.

From 20 lb. to 120 lb. per thouſ. and are ſold at 4d. per lb.

Jobent-Nails.

Price per Thouſ. s.	d.	Should weighper Thouſ. lb.	oz.
0	10½	0	14
0	11¼	1	0
1	2½	1	14
1	3	2	0
1	7	3	0

Tenter-Hooks.

Price per Thouſ. s.	d.	Should weighper Thouſ. lb.	oz.
1	3	1	0
1	6	1	8
2	2	3	8
3	0	5	8
4	6	10	0
7	0	19	0
16	0	40	0

Round Head-Nails.

Price per Thouſ. s.	d.	Should weighper Thouſ. lb.	oz.
0	11½	0	13
1	0¼	1	0
1	3	1	10
1	4½	2	0
1	11	3	4
2	9	5	0
3	3	7	0
4	4	10	0
5	6	13	0

Glaziers' Sprig

Price per Thouſ. s.	d	Should weighper Thouſ. lb.	oz.
0	7½	0	3
0	8	0	14
1	8¾	0	0

Pound-Nails.

The Name. lb.	oz.	Price per Ct. Wt. l.	s.	d.	The Name. lb.	oz.	Price per Ct. Wt. l.	s.	d.
14	0	1	15	0	44	0	1	12	0
20	0	1	15	0	54	0	1	13	0
34	0	1	15	0					

Cart Nails

Are from 5 to 8 inches long, and are ſold at 30s. per hundred weight.

Ribbing-Nails

Are from 5 to 10 inches long, and are ſold at 27s. per hundred Weight.

Timber-Nails

Are from 6 to 16 inches long, and are ſold at 30s. per hundred Weight.

JOINERS-RIVETS.

Joiners-Rivets are ſold by the Pound Weight, viz.

Thoſe of an Inch at 4d½. thoſe of Inch and half at 4d½, thoſe of 2 Inch at 4d¼, thoſe of 3 Inches at 4d. and thoſe of 4 Inches at 4d. per Pound.

WOOD-SCREWS.

Of Wood Screws there are 31 ſizes, which are ſold from 1s. 6d. to 36s per groſs, viz.

At 1s. 6d. at 1s. 8d. at 2s. at 2s. 3d. at 2s. 6d. at 2s. 8d. at 2s. 10d. at 3s. at 3s. 2d. at 3s. 6d at 3s. 9d. at 4s. at 4s. 3d. at 4s. 6d. at 5s. at 5s. 6d. at 5s. 9d. at 6s. at 7s. at 9s. at 10s. at 12s. at 14s. at 15s. at 18s. at 20s. at 22s. at 24s. at 28s at 30s. and at 36s. pergroſs.

THE PRICES OF JOINERS TOOLS, &c.

Augars.

THERE are 12 ſizes of Augars, which are ſold from 1s. to 4s. a-piece, viz.

Thoſe which are ½ Inch at 1s. ⅝ Inch at 1s. 2d. ¾ Inch at 1s. 3d. ⅞ Inch at 1s. 5d. Inch at 1s. 6d. Inch ⅛ at 1s. 8d. Inch ¼ at 2s. Inch ⅜ at 2s. 6d. Inch ½ at 2s. 8d Inch ⅝ at 3s. Inch ¾ at 3s. 6d. and 2 Inches at 4s. a-piece.

Hammers.

There are ſeveral ſorts of Hammers, but I ſhall only take notice of thoſe known by the names of Claw-Hammers, Welded Cheek-hammers, and Lathing-Hammers.

There are ſeven ſorts of Claw-Hammers, which are ſold from 2s. 8d. to 8s. per dozen, viz.

At 2s. 8d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. and at 8s. per dozen.

There are four ſorts of Welded Check-Hammers, which are ſold from 11s. to 16s. 6d. per dozen, viz.

At 11s. at 12s. at 14s. and at 16s. 6d. per dozen.

There are four ſorts of Lathing-Hammers, which are ſold from 10s. to 15s. per dozen, viz.

At 10s. at 12s. at 14s. and at 15s. per dozen.

Axes, Adzes, and Hatchets.

There are alſo three ſorts of Axes, which I ſhall take notice of, viz. Felling-Axes, Houſe-Axes, and Lopping-Axes.

There are four ſorts of Felling-Axes, which are ſold from 1s. 5d. to 2s. a-piece, viz.

No. 1. at 1s. 5d. No. 2. at 1s. 6d. No. 3. at 1s. 10d. and No. 4. at 2s. a-piece.

There are alſo four ſorts of Houſe-Axes, which are ſold from 2s. 6d. to 3s. 6d. a-piece, viz.

At 2s. 6d. at 3s. at 3s. 3d. and at 3s. 6d. a-piece.

Likewiſe there are four ſorts of Lopping-Axes, which are ſold from 17s. to 24s. per dozen, viz.

At 17s. at 18s. at 22s. and at 24s. per dozen.

There are two ſizes of Adzes, one at 20d. and the other at 2s. a-piece.

There are two ſizes of Joiners-Hatchets; the one is ſold at 18s. and the other at 20s. per dozen.

Saws.

There are ſeveral ſorts of Saws, both of ſteel and iron; viz. Compaſs Steel-ſaws, Grafting-ſaws, Hand & Panel-ſaws, Tenant-Saws, Two-Hand-Peg-Tooth-Saws, Whip Steel Saws, Rib Steel-Saws.

Compaſs Steel-Saws are ſold by the dozen, viz,

Thoſe of 12 inches at 8s. and thoſe of 15 inches at 10s. per dozen.

Grafting-Saws are alſo ſold by the dozen, viz.

Thoſe of 10 inches at 9s. 12 inches at 12s. 14 inches at 14s. 16 inches at 16s, and 18 inches at 18s. per dozen.

Hand and Pannel Saws are likewiſe ſold by the dozen, viz.

Thoſe of 20 inches are 22s. 22 inches at 25s. 24 inches at 28s. and 26 inches at 30s. per dozen.

Hand and Panel Saws (extraordinary) hardened plates, viz.

Thoſe of 22 inches are ſold at 4s. 6d. 24 inches at 5s. and 26 inches at 5s. 6d. a piece.

Tenant-ſaws, hardened plates, (extraordinary) are ſold at 55s. per dozen.

Two Hand Peg-Tooth and Whip Steel-Saws: of theſe there are 13 different ſorts, which are ſold from 6s. 6d. to 30s. a-piece, viz.

Thoſe of 3 foot at 6s. 6d. 3 foot ½ at 7s. 6d. 4 foot at 9s. 4 foot ½ at 10s. 5 foot at 11s. 5 foot ½ at 13s. 6 foot at 15s. 6 foot ½ at 16s. 7 foot at 17s. 7 foot ½ at 20s. 8 foot at 22s. 8 foot ½ at 25s. and 9 foot at 30s. a-piece.

Rib-Steel-Saws are ſold ſingly, viz.

Thoſe of 5 foot, at 8s. 5 foot ½ at 9s, and 6 foot at 10s. a-piece.

White's Saws.

Hand-Saws, whet and ſet, are ſold ſingly, viz.

Thoſe of 22 inches at 6s. 24 inches at 6s. 6d. and 26 inches at 7s. a piece.

Panel-Saws, made per White, whet and ſet, are ſold at 6s. a piece.

Tenant-Saws, made per White, whet and ſet, are ſold at 7s. a piece.

Whip-Saws, made per White, whet and ſet, with tillers, and ſet: Of theſe there are ſeven ſizes, which are ſold as follow, viz.

Thoſe of 6 foot at 28s. 6 foot ½ at

32s. 7 foot at 34s. 7 foot ½ at 38s. 8 foot at 42s. 8 foot ½ at 44s. 9 foot at 50s.

Iron-Saws.

Iron-Hand-Saws are ſold per the dozen, viz.

Thoſe of 17 inches at 8s. 18 inches at 9s. 19 inches at 10s. 20 inches at 12s. 21 inches at 13s. and 24 inches at 16s. per dozen.

Iron Two-Hand, Peg Tooth, and Whip-Saws, are ſold ſingly, viz.

Thoſe of 3 foot at 3s. 3 foot ½ at 3s. 6d. 4 foot at 4s. 4 foot ½ at 4s. 6d. 5 foot at 5s. 5 foot ½ at 5s. 6d. 6 foot at 6s. 6d. 6 foot ½ at 7s. and 7 foot at 7s. 6d.

Hand-Saw-Screws are ſold at 6s. per groſs

Hand-Saw-Setts are ſold at 2s. per dozen.

But the very beſt are 3s. per dozen.

Stone-Staws are ſold at 35s. per hundred weight.

Chizels.

There are ſeveral ſorts of Chizels, viz. Firmers and Gouges, Mortice-Chizels, Pairing-Chizels, Broad-Chizels, Heading-Chizels, Scribing-Chizels, Turning-Chizels, and Socket-Gouges; all which are ſold by the dozen, viz.

Firmers and Gouges ſhouldered, thoſe of an inch or under, at 20d. per dozen; thoſe from an inch ¼ to an inch and half, at 2s. per dozen; thoſe from an inch ¾ to 2 inches at 2s. 6d. per dozen.

N. B. Of theſe there are a longer ſort which are 4s. per dozen.

Mortice-Chizels at 4s. 6d. per dozen.

Pairing-Chizels at 7s. per dozen.

N. B. There are a better ſort of Pairing-Chiſſels, which are 8s. per dozen.

Broad-Chiſſels are 7s. per dozen.

Heading-Chizels, thoſe of ½ inch, are 4s. per dozen.

And thoſe of ¾ inch, and inch, are 6s. per dozen.

Scribing-Chizels are 5s. per dozen; Turning-Chizels and Gouges are 5s. 6d. per dozen.

Socket-Gouges are 5s. per dozen.

Compaſſes.

Of theſe there are 7 ſizes, which are ſold from 20d. to 3s. 4d. per dozen, viz.

At 20d. at 2s. at 2s. 3d. at 2s. 6d. at 2s. 9d. at 3s. at 3s. 4d. per dozen.

Compaſſes with Steel Sweeps, are of different ſizes, and are ſold ſingly, viz.

Thoſe of 12 inches at 2s. 6d. 13 inches at 2s. 9d. 14 inches at 3s. and 15 inches at 3s. and 6d. per pair.

Trowels.

Of theſe there are the following ſorts, viz.

Brick-Trowels at 10s. per dozen.
Setting-Trowels at 9s. per dozen.
Stopping-Trowels at 8s. per dozen.
Stone-Trowels at 10s. per dozen.
And Laying-Trowels at 10s. per dozen.

Jack or Hand-Screws (ſingle.)

Of theſe there are ſeveral ſizes, which are ſold by the pair, viz.

Thoſe of $\frac{1}{2}$ inch at 16s. thoſe of $\frac{3}{4}$ inch at 25s. thoſe of $\frac{7}{8}$ inch at 26s. thoſe of an inch at 30s. thoſe of inch $\frac{1}{8}$ at 31s. thoſe of inch $\frac{1}{4}$, inch $\frac{3}{8}$, and inch $\frac{1}{2}$ at 40s. a pair.

Jack or Hand-Screws (double.)

Are ſold by the pair, viz. thoſe of inch $\frac{1}{4}$ at 40s. and thoſe of inch $\frac{1}{2}$ at 80s.

Bolts.

There are ſeveral ſorts of Bolts, viz. Balcony-Bolts, Spring-Bolts, Saſh-Bolts, and Shutter-Bolts.

Some Balcony-Bolts are ſold by the dozen, and ſome by the pair; there are 10 ſorts of thoſe which are ſold per dozen, viz.

At 6s. at 7s. at 9s. at 12s. at 15s. at 18s. at 22s. at 24s. at 26s. and at 28s. per dozen.

Balcony-Bolts, ſold by the pair, of theſe there are eight ſorts, viz.

At 3s. at 3s. 6d. at 4s. 6d. at 5s. at at 5s. 6d. at 7s. at 9s. and at 12s. per pair.

Spring-Bolts, and Saſh-Bolts, are ſold by the dozen, and of theſe there are 15 ſorts, viz.

At 1s. 6d. at 1s. 10d. at 2s. 3d. at 2s. 4d. at 2s. 9d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 6s. 6d. at 9s. at 12s. at 13s. at 15s. and at 18s. per dozen.

Shutter-bolts are ſold per the dozen; and of theſe there are 5 ſorts, viz.

At 10s. at 12s. at 14s. at 16s. and at 18s. per dozen.

Latches.

Of theſe there are ſeveral ſorts, viz. Long-Tinned Latches; Varniſhed-Latches; Spring and Thumb Latches; with Braſs-Knobs, and Rimmed-Latches.

Long-tinned Latches are ſold by the dozen, and of theſe there are 7 ſorts, viz.

At 2s. 3d. at 2s. 6d. at 3s. at 4s. at 4s. 6d. at 6s. and at 7s. per dozen.

Varniſh'd-Latches are ſold by the dozen, and of theſe there are 5 ſorts, viz.

At 2s. 6d. at 3s. at 4s. at 6s. and at 8s. per dozen.

Spring and Thumb-Latches are ſold by the dozen, and of theſe there are 9 ſorts, viz.

At 3s. 6d. at 4s. 4s. 6d. at 5s. 6d. at 7s. at 8s. at 9s. at 12s. and at 14s. per dozen.

Latches with Braſs-Knobs are ſold by the dozen, and of theſe there are 3 ſorts, viz.

At 14s. at 16s. and at 18s. per doz.

Rimmed-Latches; Of theſe there are ſundry ſorts, viz. Iron-Caſed, Braſs-Caſed, and ſome Sliding-Caſed, and ſome not Caſed; theſe are ſold ſingly, and are from 1s. 10d. to 16s. a-piece, viz.

At 1s. 10d. at 2s. 2d. at 2s. 4d. at 3s. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 6s. 6d. at 8s. 6d. at 9s. at 10s. at 12s. at 13s. and at 16s. a piece.

Hinges.

There being ſeveral ſorts and many ſizes of hinges, the wholeſale Smiths and Ironmongers, to avoid, as much as poſſible, too great a multiplicity of prices, have contrived to claſs and conſider ſeveral ſorts together, after ſuch a manner, that the prices ſet down under each claſs or ſortment, are applicable to the whole.

Black-Hinges, Cheſt-Hinges, Cheſt-Haſps, Hooks and Hinges, Scuttle-Hinges, Strap Hinges.

The above ſorts are ſold by the dozen as follows, viz.

At 3s. 3d. at 4s. 3d. at 5s. 3d. at 6s. 3d. at 7s. 6d. at 8s. 6d. and at 10s. 6d. per dozen.

Croſs Garnet-Hinges, with riſing joints, are ſold by the dozen; and from 6s. 6d. to 15s. 6d. viz. at 6s. 6d. at 8s. 6d. at 10s. 6d. at 13s. 6d. and at 15s. 6d. per dozen.

Croſs-Garnet and Scuttle-Hinges, that are weighty, are ſold at 32s. 6d. per hundred weight.

But if more than 25 pair to the hundred weight, then at 12d. per hundred more.

Croſs-Garnet-Hinges, with filed joints, are ſold at 37s. 6d. per hundred weight.

Hinges with hooks are ſold at 30s. per hundred weight. N. B. Sometimes they have Stay-Hooks, and then they are 2s. per hundred more.

Holdfaſts, and Wall-Hooks are ſold at 33s. per hundred weight.

Ditto for joiners, are ſold at 4d. ½ per pound.

Hooks and Eyes for gates are ſold at 3d. ½ or 3d. ¾ per pound.

The cheaper ſort of Hinges, are Lancaſhire Hinges, Balcony Hinges, Cheſt-Hinges, Dove-Tail'd Hinges, Croſs-Garnet Hinges, Shutter Hinges, Side Hinges, Pew Hinges, Box Hinges, and Bed Hinges.

N. B. Theſe ſorts are ſold by the dozen, viz.

At 1s. at 1s. 2d. at 1s. 6d. at 2s. 6d. at 3s. at 4s. at 5s. at 8s. at 10s. at 12s. at 14s. at 16s. at 18s. at 20s. at 24s. and at 30s. per dozen.

Smooth filed hinges, viz. Balcony Hinges, Box Hinges, Cheſt Hinges, Clock Caſe Hinges, Deſk Hinges, Pew Hinges, Shutter Hinges, Side Hinges, and Tumblers.

N. B. Theſe Hinges are ſold by the dozen, as follows, viz.

At 1s. 6d. at 1s. 8d. at 1s. 9d. at 2s. at 2s. 2d. at 2s. 6d. at 3s. at 3s. 6d. at at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 9s.

at 10s. at 11s. at 14s. at 16s. at 20s. at 22s. at 24s at 26s. at 30s. at 36s. and at 42s. per dozen.

Some ſmooth filed hinges are ſold by the pair, and are from 4s. to 7s. viz.

At 4s. at 5s. at 5s. 6d. at 6s. and at 7s. a pair

The beſt IL Hinges are ſold by the the pair.

Thoſe of 6 inches at 9d. 7 inches at 10d. 8 inches at 1s. 9 inches at 1s. 2d. 10 inches at 1s. 6d 11 inches at 2s. and 12 inches at 2s. 9d. a pair.

N. B. There are larger ſizes, which are ſold at 10d. per pound.

IL Hinges, with riſing joints, are ſold by the pair, as follows, viz.

Thoſe of 7 inches at 1s. 2d. 8 inches at 1s. 6d. 9 inches at 1 9d. 10 inches at 2s. 2d. 11 inches at 3s. and 12 inches at 4s. a pair.

N. B. There are larger ſizes, which are ſold at 10d. per pound.

Pew Hinges are ſold by the dozen, as follows, viz.

Thoſe of 6 inches at 9s. 7 inches at 13s. 8 inches at 17s. 9 inches at 21s. and 10 inches at 26s. per dozen.

Shutter Hinges are ſold by the dozen, viz.

Thoſe of 6 inches at 7s. 7 inches at 10s. 8 inches at 12s. and 9 inches at 16s. per dozen.

Side Hinges are ſold by the dozen, as follows, viz.

5 inches at 4s. 6d. 6 inches at 6s. 7 inches at 8s. 8 inches at 10s. 9 inches at 12s. and 10 inches at 13s. per dozen.

The beſt Dove-tail'd Hinges are ſold by the pair, viz.

Thoſe of 3 inches at 3s. 3 inches ½ at 4s. 4 inches at 4s. 6d. 4 inches ½ at 5s. and 5 inches at 6s. a pair.

Locks.

The different ſorts of locks are almoſt innumerable, as it reſpects the making and contriving their wards and guards, &c. and a more particular account than what I ſhall give of them, would by the generality of readers, I preſume, be thought ſuperfluous: the Locks I ſhall exhibit the prices of, are,

1. Baſtard Banbury Stock Locks.

2. Livery Stock Locks.

3. Plate Stock Locks.

4. Plate Cloſet Locks; ditto with ſcrews, ditto with ſingle ſprings; ditto with double ſprings.

5. Spring Stock Locks, twice dead; Spring Stock Locks, twice dead, in ſuite.

6. Iron Rimm'd Locks, once dead; twice dead and pull-back, with braſs knobs; one bolt, two bolts, and three bolts, plain, and wards bound.

7. Braſs-Rimm'd Locks; cloſet with ſpindles; not caſed, caſed, and ſliding caſe.

8. D Gate Locks, with two wards, three wards, ſteel wards, ſlit-key, or letter-key.

9. Hanging-Locks; Pad-Locks; Slit-Key'd-Locks; Bridg'd and Secret Pad-locks.

10. Cabinet Locks, Box Locks, Cup-board Locks, and Till Locks.

11. Cabinet Locks, Till Locks, Scrutoire Locks, Deſk Locks, Book-Caſe Locks, in ſuite; Five Locks, and one key.

12. Inſide Locks for cheſts, deſks, tills, cupboards, and boxes, viz.

X Keys, X Wards; XX Wards, XX and Bullet Wards; S Bitted, &c.

13. Outſide Locks for boxes, cheſts, trunks, and band boxes.

14. Very ſmall X Wards, Cup-board, and Till Locks.

I ſhall begin with thoſe which the wholeſale-dealers price diſtinctly; and it muſt be obſerved, (by ſuch as would attain a true notion of theſe things) that as it was in the caſe of ſome Hinges, ſo it is in the caſe of ſome Locks; the wholeſale Iron-mongers and Smiths, to avoid, as much as poſſible, too great a multiplicity of prices, have contrived to claſs, or ſort, ſeveral kinds of Locks together, ſo that the prices ſet down ſhall be applicable to all the ſorts in each claſs.

Baſtard-Banbury Stock-Locks, are ſold by the dozen, viz.

At 6s. at 7s. at 8s. and at 9s. per dozen.

Livery Stock Locks are ſold from 6s. 6d. to 24s. per dozen, viz.

At 6s. 6d. at 8s. 6d. at 9s. at 11s. at 14s. at 16s. at 20s. at 22s. and at 24s. per dozen.

Plate Stock-Locks are ſold from 8s. to 27s. per dozen, viz.

At 8s. at 9s. at 11s. at 12s. at 14s. at 16s. at 20s. at 22s. at 24s. and at 27s. per dozen.

Plate Cloſet-Locks; of theſe ſome are ſold by the dozen; ſome are ſold ſingly, with ſcrews; ſome are ſold ſingly, without ſcrews; and ſome are ſold ſingly, with double ſprings: Thoſe ſold by the dozen are from 11s. to 20s. viz.

At 11s. at 12s. at 14s. at 16s. and at 20s. per dozen.

Thoſe ſold ſingly with ſcrews, are from 16d. to 3s. 6d. a-piece, viz.

At 1s. 4d. at 1s. 8d. at 1s. 10d. at 2s. 2d. at 2s. 9d. and at 3s. 6d. a piece.

Thoſe ſold ſingly with ſingle ſprings, are ſold from 6s. 6d. to 9s. a piece, viz.

At 6s. 6d. at 7s. at 8s. and at 9s. a-piece.

Thoſe ſold ſingly, with double ſprings, are ſold from 12s. to 16s. a-piece, viz.

At 12s at 14s. and at 16s. a-piece.

Spring Stock-Locks, twice dead, are ſold from 2s. 2d. to 9s. 6d. a piece, viz.

At 2s. 2d. at 2s. 4d. at 2s. 10d. at 3s. 6d. at 4s. 6d. at 5s. 6d. at 7s. at 8s. and at 9s. 6d. a-piece.

Spring Stock-Locks, twice dead, in ſuite, are from 11s. to 50s. viz.

At 11s. at 14s. at 16s. at 20s. at 22s. at 24s. at 26s. at 33s. at 40s. and at 50s. a-piece.

Iron-Rimm'd-Locks are of ſundry ſorts, viz.

Once dead, twice dead, and pull-backs, with braſs knobs, one bolt, two bolts, and three bolts; plain and wards bound.

Braſs-Rimm'd Locks, Cloſet, with ſpindles, not caſed, caſed, and ſliding caſed.

N. B. The above Locks are of ſeveral prices, viz. from 11d. to 32s. a-piece viz.

At 11d. at 1s. at 1s. 2d. at 1s. 6d. at 1s. 7d. at 1s. 10d. at 2s. 2d. at 2s. 4d. at 2s. 6d. at 2s. 9d. at 3s. at 3s. 6d. at 4s. at 4s. 3d. at 4s. 6d. at 4s. 9d. at 5s. 6d. at 6s. at 6s. 6d. at 7s 6d. at 8s. at 8s. 6d. at 9s. at 9s. 6d. at 10s. at 12s. at 13s. at 16s. at 18s. at 21s. at 24s. at 26s. and at 32s. a-piece.

Beſides thoſe Iron-Rimm'd Locks, and Braſs-Rimm'd Locks, before-mentioned, there are alſo 26 ſorts which are ſold in ſuite, viz.

At 14s. at 16s. at 19s. at 21s. at 24s. at 26s. at 28s. at 30s. at 33s. at 36s. at 38s. at 42s. at 48s. at 54s. at 60s. at 65s. at 68s. at 70s. at 76s. at 84s. at 90s. at 5l. at 5l. 10s. at 6l. at 6l. 10s. and at 7l. per ſuite.

D Gate Locks, if two wards, three wards, ſteel wards, ſlit key, or letter-key; are from 2s. 6d. to 14s. per dozen, viz.

At 2s. 6d. at 2s. 9d. at 3s. at 3s. 4d. at 3s. 6d. at 4s. at 4s. 6d. at 5s at 7s. at 7s. 6d. at 8s. at 9s. at 11s. and at 14s. a dozen.

Hanging Locks, Pad Locks, Slit-key'd-Locks, are from 3s 6d. to 16s. per dozen, viz.

At 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 8s. at 9s. at 10s. 6d. at 12s. at 14s. and at 16s. per dozen.

Bridg'd and Secret Padlocks; ſome are from 9s. to 16s. per dozen, viz.

At 9s. at 11s. at 14s. at 16s. a dozen.

Bridg'd and Secret Padlocks, ſome are ſold ſingly, and thoſe are from 20d. to 5s. 6d. a piece, viz.

At 1s. 8d. at 1s. 10d. at 2s. 2d. at 2s. 6d. at 2s. 9d. at 3s. 6d. at 4s. and at 5s. 6d. a piece.

Cabinet-Locks, Box-Locks, Cupboard Locks, Till-Locks, (whether in ſuite or not) are from 3s. 6d. to 16s. per dozen, viz.

At 3s. 6d. at 3s. 8d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 8s. at 10s. at 11s. at 14s. and at 16s. per dozen.

Cabinet-Locks, Till-Locks, Scrutoire-Locks, in ſuite, five Locks and one key, Deſk-Locks, and Book-Caſe-Locks, are from 2s. to 7s. a piece, viz.

At 2s. at 2s. 6d. at 3s. at 3s. 6d. at 4s. at 5s. 6d. and at 7s. a piece.

N. B. There are ſome of higher price, but not of common uſe.

Of Inſide Locks for Cheſts, deſks, tills, cupboards, and boxes, there are ſundry ſorts, viz.

X Keys, X Wards, XX Wards, XX and Bullet Wards, S Bitted-Spring, &c. and theſe are ſold from 3s. 2d. to 36s. per dozen, viz.

At 3s. 2d. at 3s. 6d. at 4s. at 4s. 4d. at 4s. 6d. at 4s. 8d. at 5s. 3d. at 5s. 6d.

at 5s. 8d. at 7s. at 8s. at 9s. at 11s. at 12s. at 14s. at 16s. at 20s. at 22s. at 26s. at 28s. and at 36s. a dozen.

Inſide-Locks, not ſold in dozens, but ſingle, viz.

At 2s. 2d. at 3s. at 3s. 6d. at 4s. 6d. at 5s. at 5s. 6d. at 7s. at 8s. and at 11s. a piece.

Outſide Box and Cheſt-Locks, ſold by the dozen, and are from 3s. 2d. to 19s. viz.

At 3s 2d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 7s. 6d. at 8s. at 9s. 6d. at 11s. at 14s. at 16s. and at 19s. per dozen.

Outſide-Locks for Trunks and Band-Boxes, are ſold at 5s. 6d. Ditto plain Drill'd, at 7s. X Wards at 8s. Raiſed, at 14s. per dozen.

Ditto Small X Wards, Cupboard and Till Locks, are ſold per dozen, viz.

At 4s. 6d. and at 5s. per dozen.

IRON WORK.

Done by the pound weight, is

Caſements for windows, Croſs-Window Bars, filed, and work of the like nature, at 3d. ½ per pound.

Iron-Doors, and Shutters, at 10d. per pound.

All hammer'd work, as Chimney-Bars, Stays, Upright-Window-Bars, Iron-Fenders, Shutter Bars, Pump-Work, Bolts, Saddle-Bars, Cramps, Hold faſts, Wall-Hooks, Gudgeons, Hoops, and all Black work of the ſame nature, at 3d. ½ per pound.

Pins, Hoops, Chains, Hooks, &c. to ſtable bails, at 4d. per pound.

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